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FEBRUARY---GREAT SOUTHERN CONVENTION NUMBER
JANUARY, 1912

THE INDUSTRIOUS HEN

ONE YEAR 50c---THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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Published
By
**THE INDUSTRIOUS
COMPANY**
Knoxville Tenn.

The Forester
Forest Service
WASHINGTON D C

THE PROPER METHOD OF MARKETING POULTRY

MY WHITE ORPINGTONS



Represent the strongest blood lines in England and America. They are of proven quality and productivity. At the great shows, including Cleveland, Pittsburg, and Philadelphia, they won for me. At other shows in all parts of the land, they won for my customers. I have better quality than ever, hence they are going to win again for me, and for my customers also.

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Remember we are the originators of these two famous strains of Leghorns, and in the hands of our thousands of pleased customers, they have proven to be just as we have represented them for the past twelve years—the greatest layers of large, white-shelled eggs in the world today. Then why waste your valuable time and good money purchasing cheap and inferior stock, when we can furnish you with a foundation that will be without an equal? Our breeding pens this season contain six hundred of the finest Single Comb White and Brown Leghorns that we have ever owned—each and every bird a typical Leghorn, each and every bird with an egg record. Remember our guarantee is back of every sale we make, and it is backed up by years of experience. Our 24-page catalogue is at your disposal. Write for it.

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Our birds are bred from winners and layers. Stock and eggs for sale every month in the year. : : :

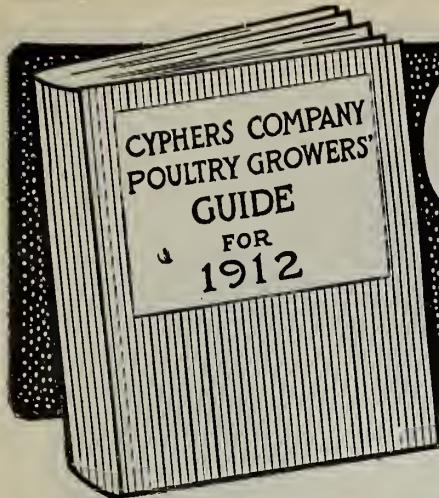
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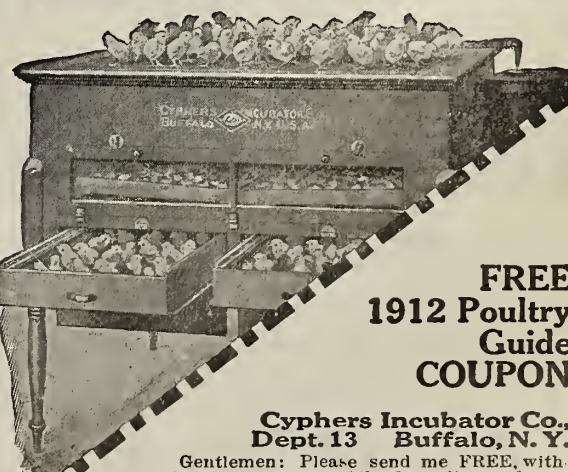
—our co-operative plan of good-measure help to Cyphers Company customers. This service is available to every purchaser of our goods and includes personal letter advice and the mailing, at frequent intervals, of bulletins, leaflets, egg record cards and incubation charts—in short, you get all the benefit of Cyphers Company's experience during fifteen years of manufacturing Standard Poultry Specialties—all the benefit of our discoveries and developments on the Cyphers Company's \$50,000.00 Experiment and Demonstration Poultry Farm, and this all comes to you without a penny's extra cost—solely because you are a Cyphers Company customer.

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Guide
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Address.....

"Kellerstrass" White Orpingtons

ARE THE BIGGEST PAYERS BECAUSE
THEY HAVE PROVEN TO BE

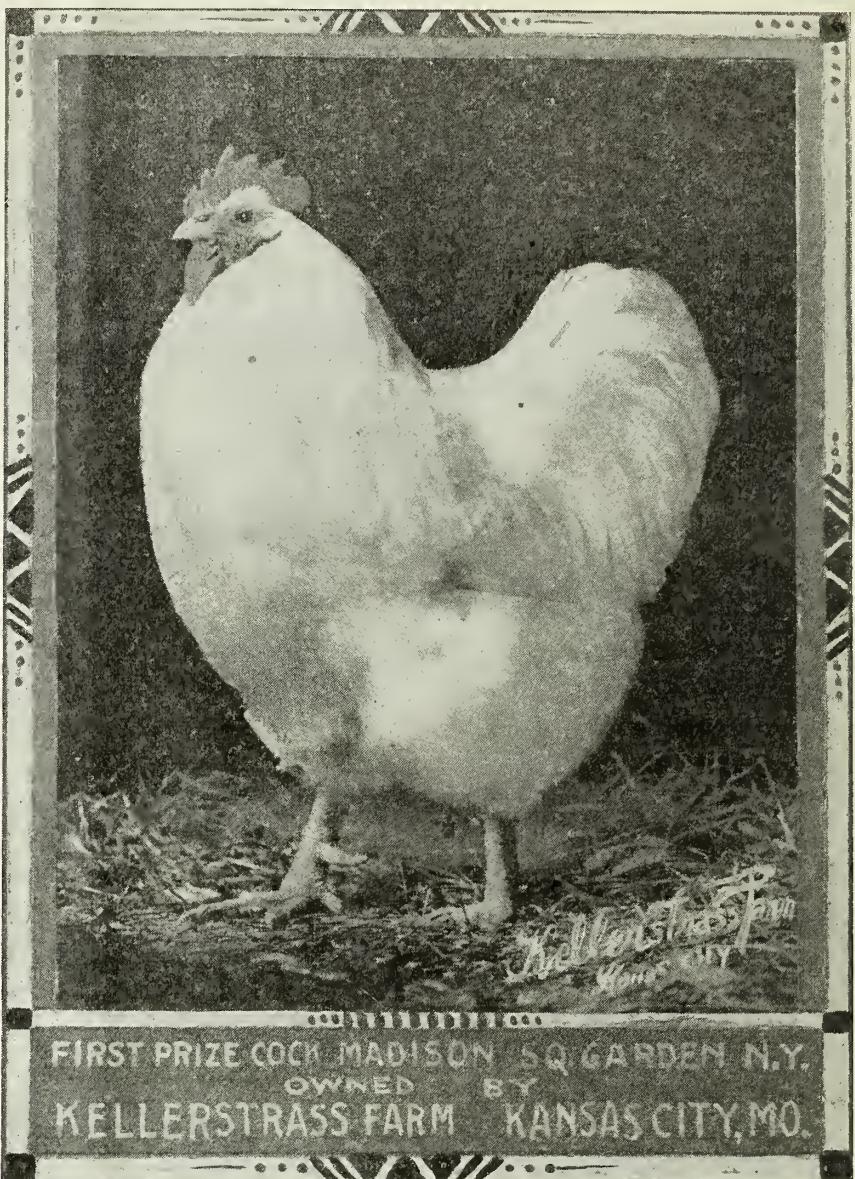
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Are the GRANDEST UTILITY birds on record today, and as to their FANCY QUALITY they won first at Madison Square, New York, 1905, 1906, 1907, 1908; also at Crystal Palace, London, England, and Chicago and Boston. If you need some birds to IMPROVE YOUR STOCK or for the SHOW ROOM write us. We have them, and the KIND THAT WINS, as our past record shows. STOCK for sale at all times.. Remember, we are the ORIGINATORS of "CRYSTAL" White Orpingtons, and breed only the one kind. We devote our whole time to this one breed.

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Did you see them at Hagerstown, Augusta and Atlanta? If you did not, you certainly missed a big treat. Send us your name and we will mail you a Photo of WHITE STAR, the finest living specimen of the breed, also list of winnings and Mating List for 1912.

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A. P. RYLAND, MANAGER

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Winners at Louisville, Frankfort, Owensboro Shows, and Kentucky State Fair. 1st Cockerel, 1st Hen, 1st Pen, 2nd Pullet, 3rd Cock, 3rd Hen, 4th Cock, 4th Hen, 4th Cockerel, 4th Pullet, cash prize for best Pen, Louisville Poultry Show, Jan. 19, 1911. 1st Pullet, 2nd Pullet, 2nd Hen, 2nd Cock, 3rd Cockerel, cash prize for best Barred Plymouth Rocks, Kentucky State Fair, Sept. 12, 1910. 1st Cock, 1st Cockerel, 1st Pullet, Frankfort, Sept., 1909. 1st Hen, 1st Pullet, 2nd Cockerel, 3rd Cock, 3rd Cockerel, 3rd Pullet, cash prize for best Barred Plymouth Rocks, Kentucky State Fair, Sept. 1909. 1st Pullet, 1st Hen, 2nd Hen, 3rd Cock, 3rd Cockerel, 4th Cockerel, 4th Hen, 4th Pullet, special for best shaped female, silver cup for best Barred Plymouth Rocks, Louisville Poultry Show, Dec., 1909. All firsts, Owensboro, Oct., 1909. In barring and color, our birds are as perfect as twenty years' science and skill can breed them. 1800 early hatched cockerels and pullets for sale.

**Best Cockerels \$3.50—Best Pullets \$2.50
Exhibition Males \$12.50—Females \$10**

Incubator Eggs \$1.50 per 15—\$7.50 per 100

You don't have to pay two prices for our large, fine prize winning Rocks. We give you more value for your money than any breeder in America. Twenty years of successful line breeding on admittedly the finest Barred Rock farm in the Country, enables us to give you selection that no small breeder can possibly do. Don't buy eggs or stock from any one until you get our catalogue and complete list of winnings. All shipments made in from one to two days after receipt of order. When you buy from us you won't have to wait three to four weeks to get your birds. Write for 40 page catalogue No. 7.

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350 white and fawn Indian Runner Ducks, imported English strain. Pure White Eggs. By careful mating our ducks have been brought up to an average of 240 eggs per year. We have the best breed ducks in the south. Can furnish eggs any time by setting, hundred, or thousand at 12, \$2.00; 25, \$3.50; 50, \$6.00; 100, \$10.00; 1000, \$85.00; book order ahead. Fawn and white ducks and drakes exhibition birds \$3.50 each, all others \$2.50. 2,000 head of Single Comb Black Minorcas, White and Brown Leghorns, Barred, Buff and White Rocks, Buff and Black Orpingtons, Single Comb Reds, Partridge Wyandottes, Partridge Cochins. One of the largest and most up-to-date plants in the South. Visitors welcome; will be met at train if you advise us of your coming. Get our catalogue.

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WINNERS AT LEBANON, NASHVILLE and CHATTANOOGA, TENN. At the big Chattanooga Show, December 11-16, 1911, we won first on cock, second on cockerel and second on breeding pen. At Lebanon, Tenn., Show, in November, 1911, in strong competition, we won five firsts, three seconds, two thirds, and three specials. We have a fine lot of breeders at lowest prices. Big, blocky cockerels \$2.00, \$3.00, and \$5.00 each; pullets, the same. Second cockerel at Chattanooga, and other show birds for sale. Write for price. Pen 1, headed by first cock at Chattanooga and Lebanon, mated to ten prize-winning females; eggs from this mating only \$5.00 per 15. Other fine matings, \$2.00 and \$3.00 per 15. Write.

MRS. E. W. McCLELLAN, Oakwood Farm, Defeated, Tenn.

BARRED PLYMOUTH ROCKS

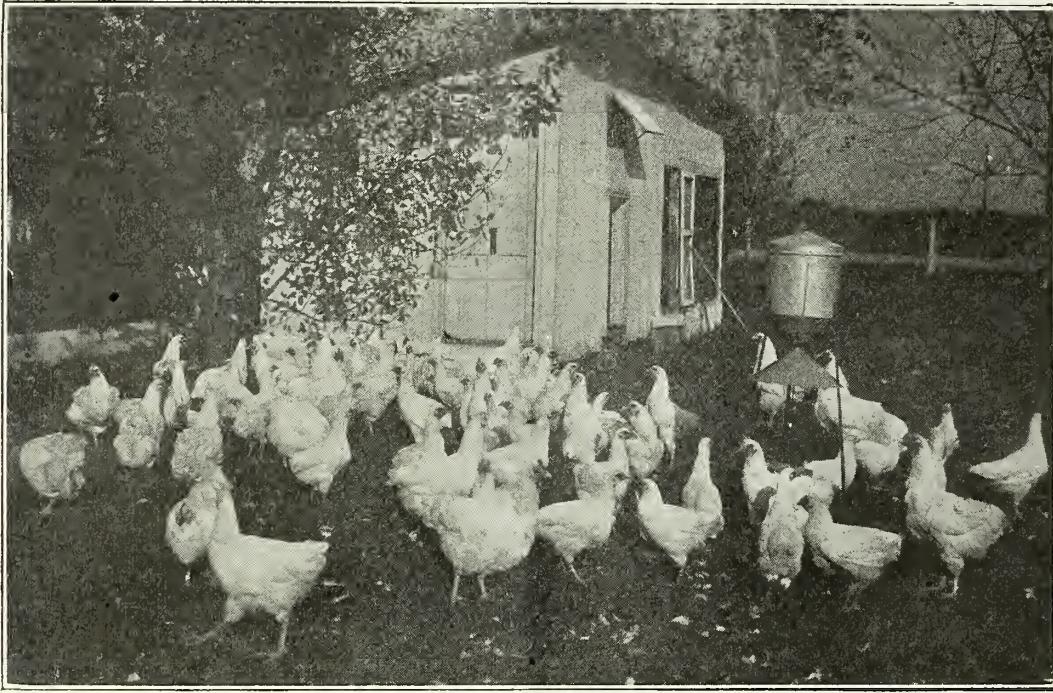
EXCLUSIVELY. STOCK AND EGGS IN SEASON

Do you need any good cockerels or pullets? If so, give us a trial. We have a fine lot of young birds and can please you. Satisfaction guaranteed.

WOLF CREEK POULTRY YARDS, M. H. Smith, Proprietor

Box 242, Abingdon, Virginia

WHY CONSIDER ANY OTHER FOWL



when it has been proven time and time again that the best table fowl, the very best egg producers and the leading prize winners are all combined in the

U. R. FISHEL WHITE PLYMOUTH ROCKS

One man who operates an egg farm of over 5,000 layers trap-nested all his hens and found that the Fishel White Rocks produced twenty per cent more eggs than their closest rivals. As prize winners we would really be ashamed to call your attention to a few prizes won at the same show season after season. Some people find an easy snap and ride it to death. The U. R. Fishel White Plymouth Rocks have won the leading prizes for years at all the best shows held in the U. S., Canada and England. At five Expositions they "snowed under" all competitors. Why, then, is not our claim of

THE BEST IN THE WORLD

well founded and thoroughly proven? The U. R. Fishel White Plymouth Rocks are all farm reared, strong, vigorous birds. We do not breed seven or eight different varieties, but find plenty to do to breed one variety and do it right, which our success in the show room fully proves. Remember we have several thousand birds to select from. We can give you blood lines, vitality and strength no other White Rock breeder can give you. Write us your wants, please. Our new catalog, the best ever, 25 cents. Eggs \$10.00 per 15. Baby Chicks.

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It Makes the Poultry Business a Real Business

THE
QUEEN
POULTRY
GUIDE

I am not boasting when I say that the Queen is the "best" incubator made. The true worth of an incubator is developed by actual service. Year after year the Queen is operated alongside of higher-priced incubators, proving its superiority by hatching every fertile egg. It will do this good work for you. You cannot doubt the evidence.

Is there any reason why you should pay a higher price? The Queen is not a "cheap" machine, and it is not a fancy-priced machine. It is built honestly, of best materials, and is sold at a reasonable price.

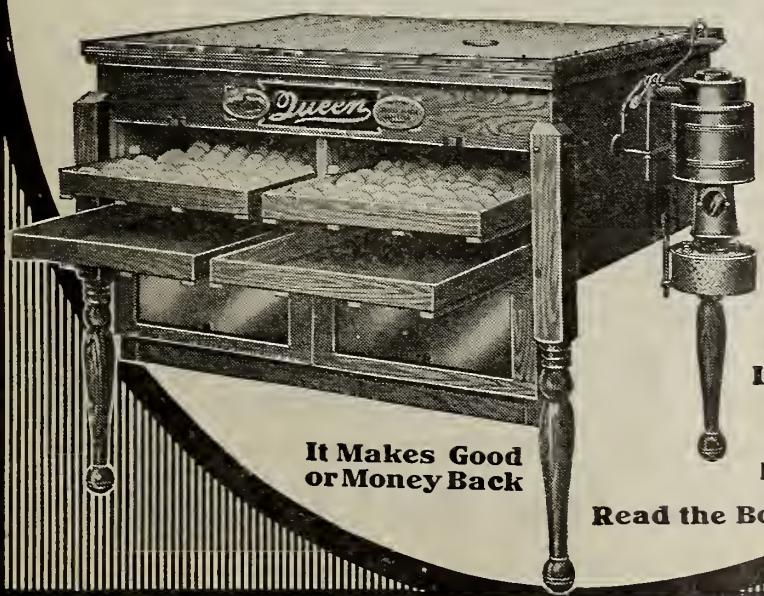
On the Make-Good Plan

I sell the Queen with the understanding that if it does not fulfill the claims I make for it all your money will be refunded.

You want, above everything else, an incubator that will give you the biggest possible hatches of strong, well-developed, healthy chicks. That is the reputation of the Queen. It applies right hatching conditions. Its record is right. Users say that it makes the poultry business a real business. The machine is built to last a lifetime.

These are some of the reasons why the Queen is the incubator for you. There are a number of patent protected features used exclusively in the Queen which make it the greatest chick producer. I want to make every one of these reasons plain to you.

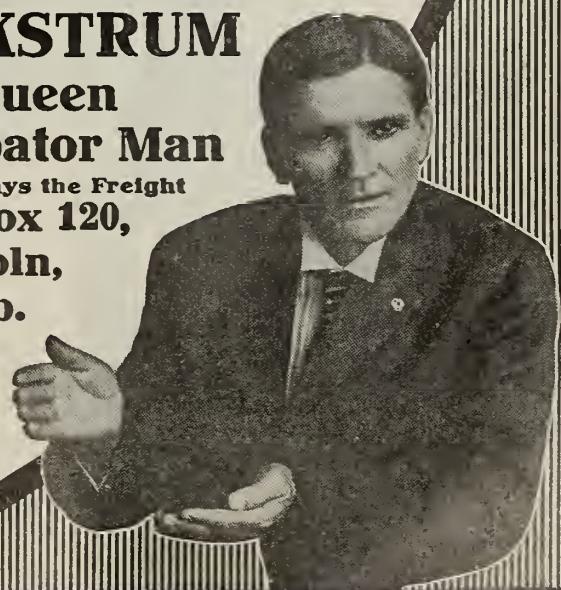
Send for the Queen Poultry Guide and Catalogue. It tells you what the Queen is and how it is making money for its owners. Book is Free. Address

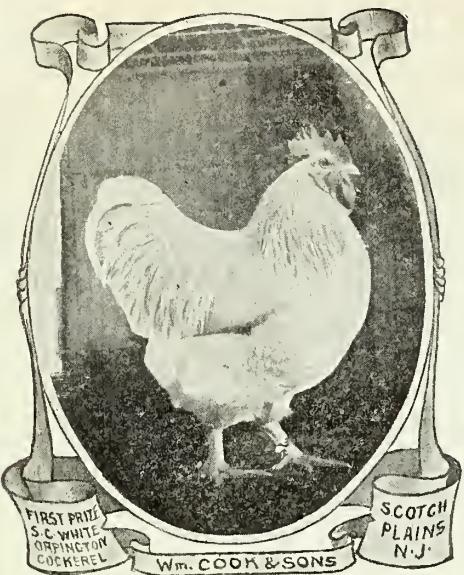


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Incubator Man
Who Pays the Freight
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Lincoln,
Neb.

Incubator
of 22
Special
Features

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Wm. COOK & SONS

Established 1873

ORIGINATORS OF ALL THE

ORPINGTONS

Box H. Scotch Plains, New Jersey

IMPORTANT ANNOUNCEMENT—We do not intend to exhibit for competition during the coming season. We do not wish to compete against our customers and we are also giving a large number of \$50.00 Cups to be competed for by Cook Strain advertisers only, or of course customers who do not advertise. The Shows so far where these cups will be given are Appalachian Exposition, Knoxville, Tenn.; Macon, Ga.; International Show, Atlanta, Ga.; New Orleans, La.; Texas State Fair, Dallas; Charlotte, N. C.; Philadelphia, Pa.; Baltimore, Md.; Boston, Mass.; other shows announced later. We are doing this to show our interest in Cook Strain advertisers. Being the Originators, it is natural that we should have the Best, and it adds prestige to your stock and money to your bank account if you can advertise Cook Strain, and people will realize you have the Best.

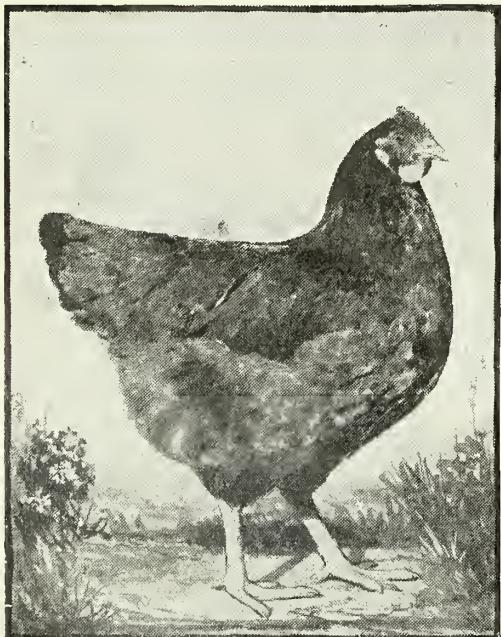
In August we can supply this year's stock, Imported from our English plant, on the same day order is received; or from our many winners bred in this country. If you require birds to win, we have them. Over 13,000 first prizes won by us. Remember, we guarantee safe delivery and satisfaction, which is backed by a reputation of 38 years standing; we have given satisfaction to two generations, we can to you. **SEND 10c FOR ILLUSTRATED CATALOGUE**, with history of the Orpingtons and hints on poultry keeping. Several thousand Orpingtons, all varieties, always for sale. It is a pleasure to give advice free. **EVENTUALLY**, if after the Best Orpingtons, any variety, you will send to their Originators, why not now? and avoid loss and disappointment.

S. C. RHODE ISLAND REDS (Exclusively)

Can I make the fact more convincing that I have show birds of quality than to say they are produced from such noted birds as 2nd Madison Square cock, 2nd, 3rd, 4th and 5th Madison Square pullets, and 1st Boston hen of 1910. If you need show cockerels, we can furnish them at reasonable prices, shipped on approval. Reference, Merchants and Planters Bank, Newport, Tennessee.

APPALACHIAN POULTRY YARDS, A. J. Stanbery, Prop., R. F. D., Newport, Tenn.

EXHIBITION and UTILITY
BOTH COMBS



"Home of Good Reds"

RECENT WINNINGS

Lexington, Ky.—Three firsts and two seconds. Winchester, Ky.—1st, 2d and 3d pullet; 1st, 2d and 4th hen, on six entries. CHICAGO.—3rd pen, one entry only. Kentucky State Show.—Special, best male, best female; Cup, best display; 1st Cock, 1st, 2d and 4th hen, 1st pen; all sweepstakes on Reds. Appalachian Exposition.—1st and 5th pullet on two entries. Versailles, Ky.—1st cock, 1st hen, 1st cockerel, 2d pullet, 1st pen and cup for best pen in show.

IS THIS NOT PROOF

That I must have Quality and am breeding birds that win. (Birds that I have sold have won at the South's Biggest Shows.). Will sell few more exhibition birds and breeding birds. Also utility at reasonable prices. **MATINGS 1912** now ready to mail. **FREE** for the asking.

F. H. GORDON, Prop., Box I, Lexington, Ky.

MEMBER A. P. A. and RED CLUBS.

At the Appalachian Exposition, 1910, as a pullet won first. At Richmond, Ky., won A. P. A. Silver cup for best hen in show.

THE INDUSTRIOUS HEN

An Illustrated Monthly for the Commercial and Fancy Poultryman.

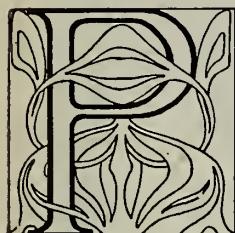
Vol. 8

Knoxville, Tenn., January, 1912

(Whole No. 92) No. 8

House and Yards For The Farmer's Flock

By DR. A. A. BRIGHAM, Principal South Dakota School of Agriculture
and Mechanic Arts, Brookings, South Dakota



UT up that hen house which you promised the wife to build "sometime." Construct a good modern poultry building. Let the wife then prove, as she readily can, that the fowls are the most profitable live stock on the farm, besides providing many nice things for the home table. If the boy is interested, help him start in the hen business by buying pure bred stock and provide comfortable quarters in which to keep his flock. It will mean much to the ambitious boy and better fowls on the farm. Provide large double yards for each flock, house or pen and surround them with substantial, effective fences of woven wire. The purpose in making the yards double is to alternate fowls and fresh crops of grain during the seasons when the birds must be confined. Much of the year the chickens can have free range on the farm, but when the garden is being planted and the garden stuff is starting growth it should be possible to control the fowls. Also during harvesting time or when the tomatoes and fruits are ripening the yards will prove suitable places for the would be foragers.

Concrete Constructions for Chickens.

Certainly the best plan for making a hen house rat proof is to construct a foundation and floor of concrete and cover all openings with wire netting of small enough mesh to exclude the rodents.

Anyone can lay the concrete floor. Use good hydraulic (Portland) cement, one part; coarse gravel, two parts; clean, sharp sand, three parts, by bulk measure. Mix most thoroughly together in the dry state. Next add water to the mixture in the mortar bed and mingle completely by shoveling over and over or by working with a hoe. The mortar is made just thin enough to flow readily into place and hold its shape, when smoothed off. A firm foundation of cobblestones or gravel is desirable. The center of the floor should be a little higher than the borders so that if any storm water does get into the house it will tend to drain away quickly. The surface of the concrete can be readily shaped to drain to an outlet which can be connected with a drain outside to conduct away all surplus water. Plan to place several inches depth of sandy loam on the cement so that the fowls will have the dirt to scratch in and be kept off of the hard, cold stone-like floor.

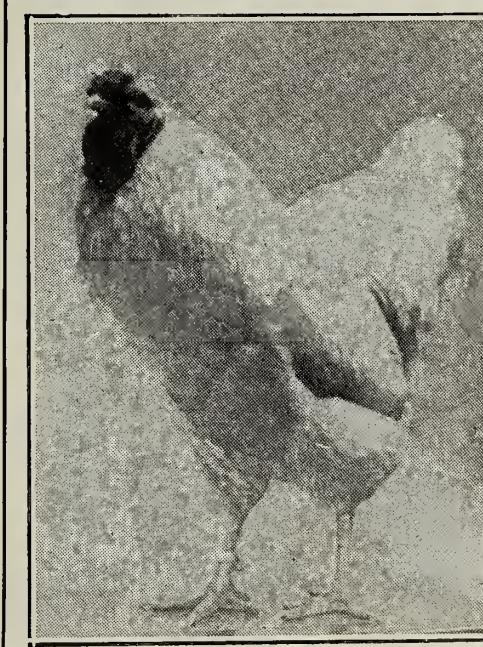
Pure Air for Poultry.

Farm hen houses are usually constructed of lumber but concrete structures are coming. In any case the matter of ventilation is most important. The open front plan is certainly good for a large part of the year in almost any location. In case the house is six or seven feet high in front I prefer to close in the lower two feet with solid boarding, especially where chilly south or southeast winds are prevalent in late fall, winter and early spring. Four feet above this boarding may be left open but protect the space by wire netting of sufficient small mesh to exclude English sparrows and rats. Shutters of board or frames of muslin or curtains of burlap may be used to fill the open front spaces when necessary. I have found it convenient to use shutters of thin board with center spaces covered by muslin, each shutter 4 x 5 in., hinged to the plate, swinging in and fastened up most of the time. If glass win-

dows are used in the front of the house, these should be taken out in the summer time and a straw loft provided in winter.

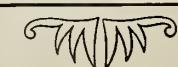
To prevent moisture and white frost on the interior walls and ceiling of a hen house is absolutely necessary. Otherwise the fowls roosting in the close chilly atmosphere will be likely to catch "colds" and may suffer from "Roup," the scourge of poultry keeping. The problem is to furnish fresh, pure air continuously without having drafts striking the fowls, especially when on the perches.

Whether the roof is double or single pitch, there should be space for a loft two or three feet deep. The floor of this loft, which is the ceiling of the room in which the fowls roost, may be made of poles, joists or boards placed two or three inches apart on the level of the plates. On this flooring fill in one or two feet depth of straw, hay, or small evergreen boughs. In each end of the loft open a ventilator hole six inches or more wide through the



White Wyandotte
Cockerel

Second prize winner
at Augusta, Georgia.
This bird is said by
experts to be one of
the best shaped
males ever shown in
the South.
Bred and owned by
J. H. Reynolds,
Atlanta, Georgia.



boarding of the house. Keep these ventilators open all the time except possibly in very windy weather. Even then only close the one end of the loft and open again as soon as the severe weather is past. Try this plan in the old hen house if it is damp within.

Shape and Size of Building.

Suit yourself as to shape and size of structure. Make the hen house to suit your own ideas but keep in mind these essential points so that when completed it will be dry, well ventilated and vermin proof. If lumber is used that is not fully dried or if moist soil is filled in for flooring, give the building ample time to dry out before placing fowls in it. Many a fine flock of pullets, just getting ready to lay, has been ruined by Roup because the owner placed them in a new house (not dried out) and shut them in the close, chilly atmosphere to suffer.

The Proper Method of Marketing Poultry

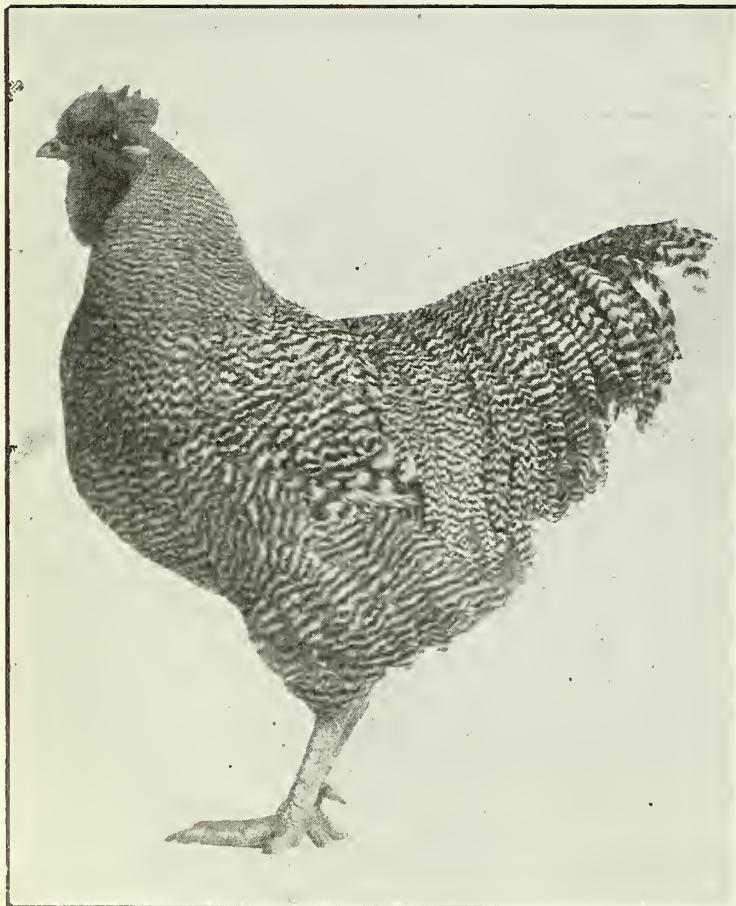
By R. V. MITCHELL, Assistant in Poultry Husbandry, State College, Pa.



ARKETING of chickens begins early in the southern section of the United States. This movement of poultry gradually moves north as the season advances. The prices that are received are generally good, but it depends largely on the methods of marketing used by the producer if he gets the prices that he should. The chickens sold at this time of the year are about

ten to twelve weeks of age. After they reach this age there is little danger of losing any by disease. The labor problem in rearing chickens of this age is very important. It is also very important that the best prices can be had for chickens sold at this age, if there is to be any profit derived from the business. The profit one makes in chicken raising is the difference between the selling price and the cost of rearing, plus the interest on capital invested and depreciation on the stock and equipment. This difference is far too small in many cases and many times this difference will show that the birds have been sold at a loss.

It is a very important thing to study the market requirements where you sell your poultry. If the producer would feed his birds a week or two on some special feed before marketing, he would have a larger bird and one that would be more valuable on the market. Young birds of ten to twelve weeks make a better per cent of gain than older birds. The birds sold on the market from the farms are not as a rule in good condition. They have been given an amount of grain which was only sufficient to keep them growing. The bird has



"BLUE CHIEF"

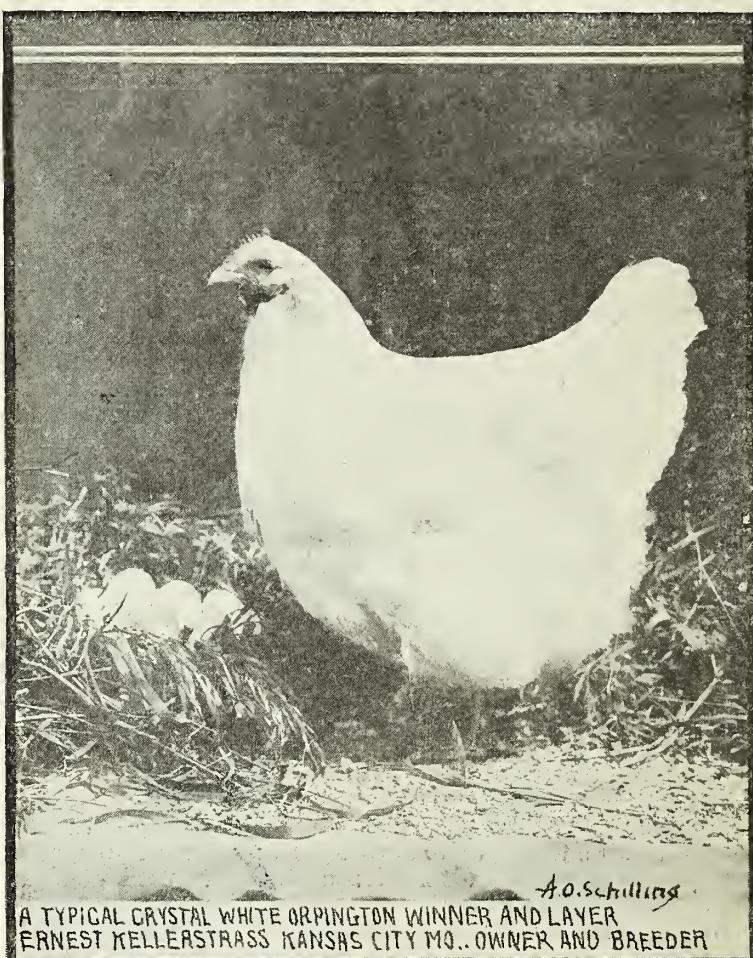
First cock bird and champion male, latest Fort Wayne show. Bred and owned by Paul H. Weikal, Marion, Indiana.

a good frame, but the amount of meat is wanting. The wholesale and retail markets demand that birds be in good condition, that they are well filled out, and finally must be put on the market in a neat and attractive package. The producers of farm poultry have neglected the finishing end of the business. It is just as important to know this part of the work as it is to know how to hatch and rear the chickens.

In many sections of the country the feeding station has come into existence for the purpose of feeding birds

and putting them on the market in an attractive way. These stations are owned and managed by men who have studied the market conditions and have created a market for a fancy high-class chicken. All the available poultry in a section of country will be purchased and shipped to a central feeding station and fed, for a week or two and then killed and marketed or else held in cold storage until a season of the year comes when young chickens are not to be had.

The coops used for this work are of many different



A.T.Schilling
A TYPICAL CRYSTAL WHITE ORPINGTON WINNER AND LAYER
ERNEST KELLERSTRASS KANSAS CITY MO. OWNER AND BREEDER

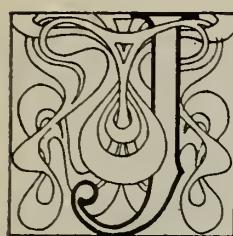
kinds. As a rule, they are about 18 inches high and 20 to 24 inches wide and about 24 inches long. A coop of this kind may be 15 or 20 feet long, but they are divided into two feet spaces. The floor of the coop can be made of wire or narrow lath. This allows the droppings to pass through and the pen is kept sanitary all the time. The balance of the coop can be made out of lath. A trough is hung along the front side of the coop to feed the birds from. Five to seven birds are kept in a coop of this size, depending on the size of the birds. These coops are sometimes placed on top of each other in tiers; a sheet-iron pan is used to collect the droppings. The coops are whitewashed at regular intervals; this keeps them sanitary and freed from mites.

The birds are usually fed three times a day for about two weeks. A good feeding ration is made by using equal parts of corn meal, wheat middlings and ground hulled oats. To this ration beef scrap is added equal to ten per cent of its weight. This mixture is moistened with milk or water. The birds are fed as much as they will eat at each meal. An average increase of 25 per cent in weight can be had by careful feeding. The profit from this line of feeding comes in two ways; first, from the increased value of the meat per pound; second, from the gain in weight due to the feeding.

Crate feeding can be carried on in a small way very satisfactorily. A crate six feet long, eighteen inches high and twenty inches wide will hold about fifteen birds of fair size. This crate can be divided in three pens, two feet long. When the weather is warm the crates can be put out of doors in the shade and little shelter is needed.

Practical Hints For the Farmer-Poultryman

By E. G. WARDIN, Charlotte, North Carolina



ANUARY is the time when the farmer begins to lay his plans for the coming season. The press of work is over for a while, at least, and he will now have a chance for mental review of his past year's work as he reckons up the profits and losses. Perhaps in going over the season's work he will notice that nothing on the farm has paid him so well for the money and labor

invested as his poultry. Starting at the first of the year and coming down through the winter, spring, summer and fall, along into the winter again, he will recall the fact that each day his faithful fowls have added their unit of profit to the year's total.

Without going too much into particulars, we can safely say that at the present prices of all kinds of poultry, as well as of eggs, there is no investment the farmer can make that will pay him a better interest rate than his fowls, and it really seems strange that more money is not put into the business by them.

Up to the past few years the Southern farmer rather scorned the idea of being taken for a "hen man," relegating the work of caring for fowls to the women and children, who were often discouraged in an effort to do more than raise enough chickens to furnish "fries" for Sunday dinner throughout the summer months and to furnish the regular quota to the camp-meeting and picnic dinners held around the neighborhood, and eggs sufficient for sending to the country store to exchange for small groceries, etc. In other words, there was not the slightest effort to make poultry raising a business.

The South offers peculiar advantages to the poultry raiser. The climate is ideal, and less money is required to

much for his eggs. If he has four or five roosters, which he usually keeps until fall, he is feeding a lot of unprofitable fowls. A healthy hen that is laying has a red comb, and when but few thus show indications of laying it will be an advantage to get rid of all that do not pay for themselves. It is not right, however, to kill the good hens that have been laying, and which are taking a rest, or that may be moulting, but when hens get so fat that they do not lay then is the best time to send them off to market.

The number of roosters and worthless hens that are kept by some may be said to reach far up into the thousands. Why they are kept, or why they are not sold, is one of the inexplicable mysteries, but on every farm they are found, consuming valuable food and giving no return for their keep. In the flock of each farmer may be a few hens that are as good layers as can be found, but they have to support the drones and are condemned along with the bad because "poultry" does not pay.

No farmer should feed two bushels of food to get the number of eggs that one bushel should produce. The manufacturer uses the best machines to turn out his product. Old machinery goes to the scrap heap. If something new is invented he wants it. The farmer, however, uses the same old machine (hen) even when she has ceased to be useful, and he pays no attention to new inventions (breeds) that would give him the largest product at the least cost.

"The Home of Good R. I. Reds"

LAST month, Mr. F. H. Gordon, proprietor "Home of Good Reds," Lexington, Ky., shipped three trios of his fine birds to the Insular Fair, San Juan, Porto Rico, through the Government Dispatch agent at New York. This fair is quite an event and the natives from all over the Island take great interest in the display of poultry.

Until the American occupation of the island, game chickens were about the only fowls raised, these to be used in cock fighting, which was the leading sport of the people. Some years ago a law was passed against cock fighting, and now quite a few of the improved breeds from the States are being bred quite successfully. At present there are only a few Reds there, as we all know the Reds are hardy and thrive where others die, we predict that the "Home of Good Reds" will win in Porto Rico. After the show there, the birds will be sold at public auction and they bring good prices.

We admire Mr. Gordon as a man, also his success as a Red breeder, which has been very rapid. Last year we met him first at the Appalachian, where he made his first entry of Reds, having bred them for quite some time. Here "Home of Good Reds" won 1st and 5th pullet on two entries, and if you remember, there was a hot class of pullets.

During the same year on one entry he won 3d pen at the great Chicago Show. The cockerel in this pen was said to be the best Red in the Chicago show. At the Kentucky State Fair his birds made a clean sweep, winning special best male and female in show; cup for best display, and all sweepstakes on the Red classes; also 1st cock, 1st, 2nd and 4th hen, 1st pen, 2nd and 3rd pullet.

This year we met him at Versailles, Ky., where he won first cock, first hen, first cockerel and first pen, and cup for best pen in show. Next at his home town at the Blue Grass Fair under Judge Lane (who said that it was almost a Red show.) He won three firsts, two seconds and three thirds. This fall at Richmond, Ky., he won first, second and third pullet, first and second hen, second and third cock, and first and third pen; also won A. P. A. Cup for best hen in show, all classes competing. This hen was the same one that won at Knoxville last year as a pullet.

At Winchester, Ky., on six entries, he won first, second and third pullet, first, second and fourth hen. Last summer while at Lexington, we had the pleasure to visit the "Home of Good Reds," located about eight miles from the city. At some future time we will tell our readers of this up to date plant that is breeding such color into the Red chicken from the "Home of Good Reds"—Goodlin.



"WHITE STAR"

Single Comb White Leghorn Bantam, said to be the finest living specimen of the breed. His many winnings at Hagerstown, Augusta, and other leading shows prove this claim. Owned by the Monte Vista Poultry Yards, Greenville, South Carolina.

build houses than in the West or North, inasmuch as the winters are much milder. Land is plentiful and comparatively cheap, and a man can allow his fowls all the range necessary to insure their getting a great portion of their living without actual cost to himself.

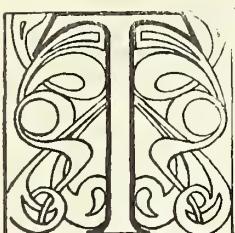
Many farmers complain that fowls do great damage to crops which are cultivated in the vicinity of the dwelling house. Of course, this is a fact that cannot be denied, but on the other hand it can safely be stated that there are thousands of Southern farms upon which very little grain is raised, and on fully seventy per cent of all those, small grain is only raised on fields around the dwelling house about once in three years, according to the regular rotation of crops.

There are scattered all down the Eastern belt of the Southern states adjacent to the seaboard, farms whose close proximity to the marshes, creeks and rivers make them very desirable for the raising of ducks and geese. There are also thousands of small farms with large borders of woodland attached, where chickens and turkeys can be profitably raised; in fact, much more profitably than either hay or grain.

Eating Their Heads Off.—When a farmer has twenty hens and gets only six or seven eggs a day he is paying too

Incubation and Incubators--The Machine

By RICHARD H. WOOD, M. D., U. S. Department of Agriculture



HE egg, its fertility, and period of incubation being now disposed of, the next item for consideration is the machine used in artificial hatching, or the incubator. There are so many different kinds of machines used in hatching eggs that a description of all of them is quite impossible in an article of this kind. At the present time they are all constructed upon similar principles and along the same lines, and nearly all of them derive their heat from lamps that burn kerosene. In some of the hot air machines the heat is applied through the medium of heated air, while in others—the hot-water machines—the eggs are supplied with heat from pipes filled with hot water.

In the hot-air incubator a common kerosene lamp is used to furnish the current of hot air which passes over and around the egg chamber and which keeps the eggs at the proper temperature for hatching. Like the hot-water machine, it is supplied with a regulator, which, acting upon a valve or damper, regulates the admission of heat to the egg chamber. In the hot-water incubator water is heated and forced through metal tubes over the eggs, thus distributing heat throughout the egg chamber. It is supplied with a regulator which works upon the same principle as does that of the hot-air machine.

Parts of an Incubator.

The selection of the lamp is so important that the writer deems it his duty to warn all poultry men against buying a poor lamp. Manufacturers, as well as purchasers, should remember that while the lamp is half the incubator the burner is half the lamp.

Reservoir of the lamp.—Some remarks on the different parts of an incubator are now in order. First, let us consider the lamp, which is the primary source of heat in both hot-air and hot-water machines. Many kinds of lamps have been tried and many patents have been granted upon lamps and parts thereof for incubator use, but the tendency is to discard all that are in any manner complicated and to return to the plain, old-fashioned burner and chimney. The oil reservoir should be of metal, either copper or galvanized iron, as those made of glass are too liable to break and are too heavy to handle conveniently. This reservoir should have a flat bottom and a flat top. It should have a capacity exceeding the twenty-four hours' demand of the machine. This is very important, for sometimes it happens that the operator is detained for some reason and can not reach his machine at the proper hour, and in such a case the lamp must contain oil enough for a few hours overtime. This reservoir should be plain and smooth outside and inside. It should be well made and well finished, having no rough projections or slivers of metal or solder to catch the hands, the clothing, or the cleaning cloths. Attached to this reservoir, or body of the lamp, should be a good, strong handle large enough for the hand of the operator. Better no handle at all than one that is slender, sharp-edged, flimsily attached, or too small for the use of more than one or two fingers. Select a lamp with a handle that is broad, strong, smooth, and firmly attached. The lamp is for use, and it should be built to stand handling. It must be strong in order that it may be convenient.

Burner.—The burner is the very important part of an incubator lamp. It should be made with the greatest regard to stability and accuracy. The flat-wick tube is the most common, and, when the burner is properly constructed, it answers every purpose. The burner should be made of good material, such as brass or copper, and never of poor material, such as iron or plated tin. The wheel or lever used in raising and lowering the wick must be stout, large enough for its purpose, easy to find, and must turn exactly and easily. Never waste any time upon a burner that does not work promptly and readily, so far as the wick is concerned. If it turns hard, or does not turn to the thirty-second of an inch, it is useless and will cause trouble. The tube holding the wick should be strongly made of material that will not break, spring, or bend, and it should be so adjusted to the size of the wicks furnished with the outfit that the wick can pass up and down freely without pinching or binding. On the other hand, it should not be so large or loose as to allow the escape of gas along

the side of the wick. Alongside the wick should be a small tube for the escape of surplus gas or vapors from the reservoir, but this tube must never project above or even to the top of the wick tube, for if it does it will interfere with trimming and be likely to fill with cinder or soot.

The space under the wick screen should be wide open. The hinge to the cap should be very strong and work freely to the fullest extent. The snap, or catch, to the cap should have proper strength and tension, and should fasten the wick cap firmly to the burner. Every detail should be examined before the burner is sold. The following questions should be settled before the lamp is packed for shipment: Does it leak? Does it fit? Does the elevator turn easily and accurately? Is the wick tube perfect? Is the top of the wick tube level and smooth? Can the wick be trimmed nicely? Has the burner a chimney that has been made to fit? Does the screw or snap that fastens the chimney work easily and properly? Does the thread of the burner fit the thread in the socket of the lamp? This last question may seem unnecessary, but the writer has purchased incubators having burners which could not be turned into the lamp. All these little matters count and have much to do with the success or failure of the hatch.

Chimney.—The chimneys of different makes of incubators vary greatly in form. The base or lower circumference should be smooth and level. The spiral or bevel of conical chimneys should be so cut that the chimney stands plumb when on the lamp. The top circumference should be smooth and without slivers upon the edge to cut the hands or catch the cloth in cleaning. The mica front should be large enough to show the full width and height of the flame, and this mica should be fastened neatly and securely. Allowance should be made for contraction and expansion.

Wick.—Nothing has been found yet that takes the place of the plain cotton wick. Other materials have been need about the same attention in cleaning if not in trimming. The wick should be of medium weave and some firmness and be made to fit the burner in which it is used. tried in the so-called "wickless machines," but while wicks of these new materials are more durable than cotton, they

Body of the incubator.—The body of an incubator should be mounted upon good strong legs and at a reasonable height from the floor. If too high or too low, the machine is very inconvenient to operate. The body of an incubator should be made of nonshrinkable material and should be air-tight and have well-fitted joints. The value of an incubator lies, not in how well does it look, but in how well it is made. The walls of the body should be three in number, making two air spaces, and each of these three walls should be well constructed and with good tight joints. Seams, fluting, beadwork, and unnecessary ornamentation should be avoided. It is easy to see how vermin can infest an incubator that is made of beaded matching. The top should be smooth and unincumbered. It is useful as a work table in testing, cooling, or turning eggs, and it should be a clear, free surface.

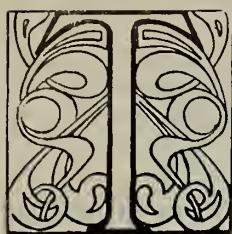
The inside of an incubator, or the space known as the egg chamber, should be well finished. No bad joints and no slivers or other evidences of bad workmanship are allowable. The trays should be smooth, well made, and should slide easily upon the tracks. If the trays stick or hang when being drawn out or pushed in, the machine is defective and should not be accepted by the purchaser. Such a defect will not cause loss of time and patience merely, but it may cause the loss of a trayful of eggs. The space called the "egg chamber" should be deep enough from above downward, or, as carpenters express it, "high enough between joints," that the trays and eggs have plenty of space, and so that when necessary the hand or thermometer can be passed back over the eggs. This is important. There should be at least $3\frac{1}{2}$ inches space between the top of the eggs and the heating tank. Convenience and evenness of temperature both demand that the top of the eggs should not be too near the source of heat. Besides this point, the air around the eggs will be better because of this space.

The nursery, or chick, space below the trays should be ample. From the bottom of the tray to the floor of the nursery should be a space of nearly four inches. This space will give the chicks in the nursery a chance to stand

(Continued on page 270.)

Scrubs vs. Pure Breeds--Selecting Breeders

By PROF. H. C. PIERCE, Philadelphia, Pa., U. S. Department of Agriculture.



HERE are certain things that hold good in any stock you select, whether pure-breds, cross-breds or grades. The two things that I wish you would not get away from are (1) constitution, and, (2) good health. I have raised a great many prize birds and I attribute my success largely to the fact that I never would let pretty feathers pull me away from a good strong constitution. I

mean by constitution, a bird that has good form, room for good lungs, good heart and good digestive organs, and they must have good health. Selection of birds is very important. What do you want a bird for? What is the object of breeding? Select the bird that has the qualities you wish. What do we mean by breed and variety? Breed is a race of fowls, members of which maintain distinct characteristics which they possess in common.

I am going to talk about two classes of poultry. (1) General Breeds, and, (2) Egg Breeds. General Purpose Breeds—Plymouth Rocks, Wyandottes, Rhode Island Reds and Orpingtons. Egg Breeds—Leghorns, Minorcas, Anconas, Spanish and Hamburgs.

Breed is a broader term than variety and includes variety. Plymouth Rocks, for instance, have the breed name Plymouth Rocks. There are several varieties of Plymouth Rocks, the White, Barred and Buff. All of these Plymouth Rocks possess the same qualities in common, same size, shape, style of comb, color of eye, color of skin, but differ in plumage. Size and shape determine breed, the color determines variety. All of the General Purpose Breeds are similar in make up and are the farmers' favorite, and if you wish to get a breed that will hatch and raise its young, from its own eggs, you will select one of these breeds. For egg production you take one of the egg producing breeds above mentioned.

Egg breeds are not adapted to general purpose. Their business is to lay eggs and do not invest in these birds expecting them to hatch and raise their own young. A Leghorn hen's business is to lay and she is so busy laying eggs that she is not expected to keep house and take care of the family.

Color is a matter of taste. Take the breed possessing the quality you want and then take the variety suiting you best. You can get most of these in any color you wish, with the exception of Rhode Island Reds. The comb determines the variety of Rhode Island Reds, one being rose comb and the other single comb.

The following story is a good one in regard to color: "Uncle Sam, what is the best chicken?" Scratching his head he said: "De white 'uns is de easiest to see on the roost, but the black 'uns is de easiest to hide when you catch 'em."

Some people in the country object to the very white chickens on the account of hawks and owls and thieves. Nearly all wild animals, or those that have survived, are those adapting themselves to the color surrounding them. The white chickens are the easiest to breed, yet this offers an objection to them in some sections. The Brown Leghorn is preferred to the White on that account. Most of the egg farmers in the north and east use White Leghorn females. The large meat breeds, Brahmas, Cochins and Langshans, are good chickens, but are not adapted to General Purpose Breeds.

The question may arise, "Shall we keep pure-breds, mongrels or common stuff?" I am pretty well acquainted with the poultry conditions in the country, especially in the Southern States, and I do not know of a single instance in my knowledge where a man has made a success of the poultry business to any great degree where he has used common stuff or mongrels. I would just as soon try to go bear hunting with a bird dog as to go into the poultry business with common, dung-hill stock.

In addition to furnishing produce for a Baltimore house, we were furnishing fresh eggs daily, paying us 10 cents above market price, but the demand grew so great on us during the hatching season that we were compelled to put in some common eggs to help supply this egg trade, but we found a very small per cent of the eggs from common fowls were fit to sell as first class eggs. We did not get the same value for our feed. We only tried that once and then abandoned the mongrel hens, and the next year

we closed out the grade hens because we got better results from pure-breds. There is no mongrel or common chicken that will compare with egg-producing breeds, because these breeds have been bred for centuries for egg production, and you can get more eggs from them.

Compare the size of the eggs of the egg breeds and general purpose breeds. The Minorcas and the Spanish lay the largest eggs of any of the breeds. The Leghorns, well-bred, lay about as large eggs as the general purpose breeds. All of the general purpose breeds lay brown-shelled eggs. It is some shade of brown and the egg breeds lay white eggs, so if your market calls for a white egg you will perhaps need an egg breed to get it. If your market calls for a brown egg, you will need the general purpose breeds. Some say that this is all foolishness, and that eggs are all alike, but if you are in the poultry business instead of fooling away your time trying to convince your customers as to what they should have or want, you had better just give them what they ask for. The pure-breds, as compared to the cross-breds and grades, have a chief advantage in uniformity. To get highest price for anything on the market you should have uniformity. They are uniform in size, shape and color. I have been told that it makes no difference what color the eggs were. By putting white eggs in cases by themselves and brown eggs in cases by themselves, we got two cents more on the dozen just because they looked better, and it is the same way with the chickens, either dressed or in a crate. If they are uniform in size and shape and have the same color of skin, they will bring a better price per pound than the mixed product. With the pure-bred you can count on what you are going to get, but in breeding common stock you really don't know what to expect, except that you don't expect to get very high grade or good quality.

In regard to the raising of pure-breds, we are sometimes told that we may have to sell our pure-breds at market price, and it is a fact that you will sell high class stuff at the market price, but if you are breeding mongrel stock there is one certainty—you will never get more than the market price for them. If you have common stock it is not wise to throw it away, but it may be utilized.

I made a little experiment in breeding common stock and grades and I was able to find a common hen that did not seem to have any improved blood in her at all. She weighed about four pounds. With her I found one of these little roosters that is a nuisance around the place. He weighed a little less than the hen, but we got more eggs from her and we mated her with a large pure-bred Barred Plymouth Rock male, and these eggs were all hatched at the same time, and I have a slide of three of that group. Little one represents pure mongrel strain and the other represents a cross of the Plymouth Rock male on the common hen. The point especially emphasized is the fact that when you use a pure-bred male and a common female that he is very much more than one-half the flock. That point is clear enough. Every chick of that cross with common stock had that same objectionable color, the black of the mother hen. The best parts about it are the weights. At 11 weeks old the common weighed 16 ounces, or one pound, and the price was 25 cents per pound. Grades average 36 ounces or $2\frac{1}{4}$ pounds, at 25 cents, equals 56 cents.

At the same time I set some pure-bred Barred Plymouth Rocks, average weight 40 ounces, or $2\frac{1}{2}$ pounds, at 25 cents, equals 62 cents. Sometimes we have what we call prepotent males, or one that possesses a trait of impressing his character on his offspring and to a remarkable degree. Bred to this common hen we can see how much the increase in weight was and all, but not quite approached the value of the pure bred. They all had exactly the same feed, water, etc., and raised in the same family. It is a fact that where you use a pure bred male with a common female that he is very much more than one-half the flock, because he is bred in line, has qualities of his own, and when it meets the common blood it is the dominant character. The point in this experiment is that the farmer cannot afford to keep the scrub male, be it poultry, cattle, swine or any other branch of live stock. Mr. Vanderbilt, with his millions, could not afford to keep them and neither can we.—[From an address delivered before the State Poultry Institute, Mountain Grove, Mo.]

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A Great Southern Convention Number

THE February issue of The Industrious Hen will be a Southern Convention number. It will be the South's invitation to the greatest live stock organization in the world, the American Poultry Association to hold its 1912 convention in the city of Nashville, Tennessee. Former conventions have been held in the North and East, until last year when the annual meeting was held at Denver, Colorado. This year invitations have been extended the A. P. A. by the cities of Chicago and Peoria, Illinois, and Nashville, Tennessee.

The Industrious Hen offers no apology for advocating the candidacy of the city of Nashville. She is our sister Southern city and our neighbor. Ours is a Southern publication, and our energies have ever been directed toward a greater poultry industry in a great—yet undeveloped—section that within the next decade is destined to become the center of poultry production in the United States.

We want the 1912 convention of the American Poultry Association in Nashville for many reasons—reasons which we believe we will make plain in our February issue. For this reason it is our purpose to place a copy of the Convention Number of The Industrious Hen in the hands of every member of the American Poultry Association. As an advertising medium our February issue will excel in value any edition of its kind heretofore attempted in the South. Although several thousand extra copies will be issued, there will be no advance in rates for this special issue. On the contrary, we shall disregard our new rate of \$2.10 an inch, which became effective January 1st, and for our February Southern Convention number will make a special rate of \$1.50 an inch. This is a flat rate, no discount allowed, and applies only to our February issue.

Every poultry breeder who is interested in bringing the 1912 convention of the American Poultry Association to Nashville in August should purchase liberally of the advertising space offered in the extra pages of our February issue. It will circulate freely in every state in the union, and will bring the South to the attention of the world as a poultry-producing section as no other publication has ever done.

Copy for advertising in our Southern Convention number should reach us not later than January 15—sooner if convenient, as first arrivals will get best positions.

Every member of the American Poultry Association and every breeder of poultry should have a place in this

Southern Convention number. It should appeal to the pride of every Southerner who admires fine feathers and courts the presence of this great organization in our midst for one week in August of this year. It should appeal to the business judgment of every breeder of the North, East and West who desires to establish trade relations with the residents of a section who send annually thousands of dollars into other markets for both stock and eggs.

May we not have your order at once for a liberal amount of space in our Southern Convention number, and your vote for the city of Nashville, Tennessee, for the 1912 convention of the American Poultry Association?—E. H. D.

Managing Editor Audigier to Tour Europe

OUR managing editor, Mr. L. B. Audigier, in company with Mrs. Audigier and Mr. Joseph Carson Coxe, left Knoxville on November 27th, for New York, from whence they sailed on December 2d, on the steamer Adriatic, for Naples. While abroad they will tour Europe, and in reality their itinerary will include a trip around the world, "not in eighty days—but possibly one or two years."

While abroad Mr. Audigier will investigate the condition of the poultry industry in foreign countries. He has been appointed special foreign poultry commissioner by the Bureau of Animal Industry of the United States Department of Agriculture. In this capacity he will make special investigations concerning poultry husbandry in European countries. In addition to extensive research work for the federal government, Mr. Audigier will report his findings in specially prepared articles which will appear in the poultry press from time to time.

Those who have followed Mr. Audigier's writings in The Industrious Hen, since his connection with the magazine as its managing editor, will hail with delight the announcement that all these articles will be published in this magazine, the first of which will probably appear in our March issue.

Mr. Audigier's identity as managing editor of The Industrious Hen will be continued. During his absence, we solicit the hearty co-operation of every reader of the magazine in maintaining the same high standard of excellence that has characterized each issue since it came under his control.

Now Is the Proper Time to Advertise

This coming season is going to be the biggest season the South has ever seen in fancy poultry.

While a man in any business that depends upon the public for its volume of trade, should advertise the year round—there are certain seasons of the year that must be looked after more carefully than others. In the poultry business a man ought to keep his breed and address before the poultry buying public every month in the year—yet there are seasons of the year that demand the attention of the advertising man if his sales of stock and eggs are to be as large as conditions in his section will warrant. The Industrious Hen now has a circulation exceeding twenty thousand, 75 per cent of this being in the Southern states.

RESOLVED—That I will raise more poultry in 1912 than ever before; That I will dispose of all mongrels and raise better birds; That I will not sacrifice egg and meat production for pretty plumage; That I will clean out the hen house and nest boxes occasionally, whether they need it or not; That I will fight a chicken louse as I would a Russian Cossack; That I will not advertise a flock averaging 247 eggs per hen, when the average was only 39; That I will be honest, even if it pinches; That I will advertise continuously in The Industrious Hen, and never allow my subscription to expire; and that I will do all within my power—that is honorable—to bring the 1912 convention of the American Poultry Association to the city of Nashville, Tennessee.

It would be an injustice to our special representative, Mr. Frank A. Goodlin, were we to omit reference to the splendid work he has done for The Industrious Hen since the fall fair season opened. Nearly ten thousand new names will be added to our subscription list by the close of the present winter show season—a record equaled by very, very few solicitors for poultry journals in the United States. In addition to his subscription work, Mr. Goodlin writes his full share of advertising contracts in every show room visited.

Langford's S.C. Rhode Island Reds

THE ONLY BREEDER SOUTH TO WIN AT MADISON SQUARE GARDEN, GRAND CENTRAL PALACE, NEW YORK, and BOSTON. Their winnings at the Jamestown Exposition, Louisville, Nashville, Memphis, the Great Tennessee State Fair, Knoxville, Atlanta, Charleston, Ft. Worth, have never been approached. I have never before possessed birds of such remarkable quality to put into my matings. They are fully 50 per cent better than ever before. Yards mated and eggs for sale. One pen of Rose Combs, pure "Sensation" stock of the highest quality. A few sittings for sale from this pen and also some good Rose Comb cockerels and pullets.

SEND FOR NEW ILLUSTRATED CATALOGUE.

FRANK LANGFORD
R. F. D. No. 10 : : : **Nashville, Tenn.**

Another Letter from Mr. Frank Langford

THE INDUSTRIOUS HEN is in receipt of the following letter from Mr. Frank Langford, which we reproduce without comment:

Editor The Industrious Hen:

"The comments which you saw fit to make upon the letter which I wrote The Industrious Hen regarding my stolen birds at the Appalachian show, make it necessary that I take up again a very unpleasant subject.

"Your statement: 'To establish the charge of theft, Mr. Langford must first prove that his birds were stolen.' In reply to this I want to state most plainly that I think any association that would accept my entry would credit me with the ability to know my own birds, and to recognize same when returned to me. While on this subject of the necessity of proof to you and that my word or statement is not sufficient to you, editor of the Hen, I want to say that one of the birds returned to me in place of my own, was expressed to Judge W. C. Pierce, of Indianapolis, (who handled the birds at the Tennessee State Fair and saw them again at Knoxville) and that his statement is offered together with my own.

"The Editor should know that an individual may know certain facts that amount to almost positive knowledge to himself, that perhaps are not quite strong enough upon which to convict in court.

"You state that you are unwilling that even a shadow of suspicion should fall upon the innocent. I most heartily concur with you in this statement, and believe that no reader of The Industrious Hen got the impression from my letter that I reflected in any way upon any innocent and honorable exhibitor at this show. The fact that the birds were stolen at the show was known to the association and to others before my letter was written. Now, since the fact exists that the birds were stolen at the show, and there could not have been a theft there without the presence of a thief, it is therefore the duty of the association, in whose care the birds were stolen, to clear up the matter. This you call upon me to do, when it is clearly the duty of the association to whom I consigned the birds and whom I hold responsible for my loss.

"It has never been thought that any officer of the association was in any way connected with this, but I do charge that had the association done its duty that this exchange in birds could not have been made. My letter in no way absolved the association from blame and there is nothing in any statement therein from which any one can base the conclusion that it did."

FRANK LANGFORD."

Soft Feed the Best for Fattening Fowls

FATTENING birds should always receive soft feed. As they have no exercise they require a feed that can be quickly and easily digested. The following mixture is fed at a New York establishment: 100 pounds finely ground barley, 100 pounds finely ground corn, 100 pounds finely ground oats (with hulls sifted out), to which mixture is added 10 per cent of beef scraps. Buttermilk or skim milk is used for mixing, the former being

preferred. A little salt is sometimes added. The birds are fed twice a day at intervals of twelve hours, and are crammed for about three weeks. It is important that the intervals between the feedings should be as nearly equal as possible. Another ration may be made as follows: 100 pounds ground oats, 100 pounds ground corn, 50 pounds flour, 4 pounds tallow.—G. Arthur Bell.

Sorting, Packing and Shipping of Eggs

EGGS to be placed on the market should be carefully sorted and packed as to size, shape, and color. It is better not to put eggs having different colored shells in the same package, neither should eggs varying much in size be placed in the same package. Every egg should be perfectly clean, and if slightly soiled it may be wiped clean with a damp cloth. If badly soiled, the eggs should be discarded, for the washing required to clean them injures their appearance. The discarded eggs can be disposed of at some of the cheaper and less exacting markets. Eggs may be placed in large shipping cases or in small pasteboard boxes, according to how they are to be marketed.—G. Arthur Bell.

Volume 1, Number 2, of the Gulf States Poultry Journal is before us. Its home is at Mobile, Alabama, with Ira T. Powers as publisher, and devoted to practical poultry keeping. The new paper is interesting and well patronized.

Our Breeders' Card Offer

The publishers of The Industrious Hen, have never had occasion to present to you an offer that you would more likely consider than this one. The Industrious Hen is read by over 20,000 Southern poultrymen, and the South is the field all the poultrymen are turning their attention to, as the business is not yet in its prime. To keep a card before these readers will insure you your share of the Southern trade.

Our offer is this: We will run an ad in our Breeders' Card Column, classified under your breed of from 25 to 30 words, six months for \$2.50. Our regular rate is two cents a word a month. You do not need to be reminded that a six months card will keep your name constantly before our readers through the coming stock and egg season. Send ad with check today. You may never have an opportunity like this again. If you prefer display advertising, rate card and contract will be sent upon application. Address

THE INDUSTRIOUS HEN CO.,
KNOXVILLE, TENN.

NOTICE No. 1

CHANGE IN PRICE

Mica Surfaced (X and XX) Asphalt Roofing. Special **POULTRY HOUSE ROOFING** will be delivered at your R. R. station--X, \$1.87; XX, \$2.42, less 5 per cent, fifty roll lots up. The large poultrymen will tell you what Mica roofing is. Mica is a no paint, no coal tar, no (so-called) rubber roofing. **CLIMATE:** Hot or cold, wet or dry are the same to Mica Roofing. We ship 1 roll or 100 rolls, any R. R. station. Reference: Mr. Foster, Messrs. Twining Bros., Messrs. Cook & Son.

SAMPLES, INFORMATION FREE

Special (Supply) Agents Wanted (South)

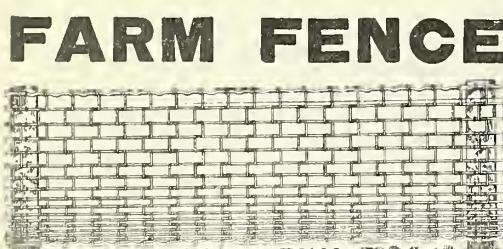
IMPERIAL COMPANY

Builders' Exchange Building

18 to 24 S. Seventh St. : Philadelphia, Pa.

BROWN POULTRY FENCE

STOCK STRONG RUST PROOF
Costs No More Than Netting
yet will last five times as long. Made of extra heavy double galvanized, Rust Proof wires. No top or bottom boards and less than half the posts required. Chick Tight - Bottom wires only 1 inch apart. We have 200 styles, also Lawn Fences and Gates. We can save you money. Send for Catalog.
The Brown Fence & Wire Co.
Dept. 37 Cleveland, O
WE PAY THE FREIGHT



47 INCHES HIGH 16¹/₂c. A ROD

50-inch-high Poultry Fence, ... 28c. a rod.
26-inch-high Hog Fence, ... 11¹/₂c. a Rod.
Special Barb Wire, (80-rod spool) ... \$1.40
Send Direct to the Farmer on 30 Days FREE TRIAL. Other prices and large Catalog sent Free on request. Write for it today.

INTERLOCKING FENCE CO. Box 36 Morton, Ills.

Bred To Lay **WHITE WYANDOTTES**
Eggs \$2 per 15; \$3.50 per 30; \$4.50 per 50; express prepaid. Circulars free. R. ADDISON. Box 1 Loughman, Florida.

Flotsam & Jetsam

By The ASSOCIATE EDITOR

A wedding in which Southern poultrymen will be interested was solemnized Wednesday afternoon, Nov. 29, at Franklin, Ky., the contracting parties being Dr. C. L. Gray, of Lebanon, Tenn., and Miss Witherspoon, of Smith's Grove, Ky. While the wedding was a quiet one, it was witnessed by a number of friends. After the ceremony, Mr. and Mrs. Gray went to Lebanon, and will reside at Cozy Nook Orpington Farm. We extend heartiest felicitations.

Lecture on Farm Poultry.

At the Middle Tennessee Farmers' Convention, held at Nashville, Tenn., recently, our co-worker, J. A. Dinwiddie, addressed the delegates on the subject of farm poultry. Concerning his address the Nashville Banner says:

"Mr. J. A. Dinwiddie of New Market addressed the convention on the poultry industry. He said one hen properly fed would consume 90 pounds of food a year. This feed should be 36 pounds of cracked corn, 24 pounds of wheat (or Western oats), 12 pounds of wheat bran and 12 pounds of meat meal (scraps of beef). Pure water and grass should be given her at all times, and sour milk is also good. Keep her free from lice and mites. Alfalfa meal (ground alfalfa) is an admirable food. This ration, the speaker said, is an egg-producer and

S. C. WHITE LEGHORNS AND INDIAN RUNNER DUCKS.
Thirty good utility S. C. White Leghorn eggs for \$1.00. Duck eggs at \$1.00 per 13. Book your orders now for future delivery. D. M. JONES, Route 1, Kizer, Tenn.

"Ringlet" Barred ROCKS

Have a few Cockerels of this world's best strain which I will sell at a reasonable price to those who want the best. Eggs in season. Write your wants. 70-egg Cyphers Incubator for sale cheap to a quick buyer.

S. E. TRUAN, Box H, Fountain City, Tenn.

"Quality" Pekin Ducks

Won at St. Louis, Little Rock, Dallas, San Antonio, Shreveport. Egg orders booked now for Spring delivery. Don't wait. Pen A1—All prize winners, \$5 per 11. Other pens, all fine stock, \$2 per 11, or \$12 per 100. Booklet FREE.

R. B. WILKINS, Route 1, Opelousas, Louisiana

S. C. R. I. REDS

DeGRAFF AND TOMPKINS STRAINS
1st, 3d, 4th pullet, 2d cockerel, 2d pen. White Wyandottes, 1st cockerel, 2d, 3d, 4th and 5th pullet, 1st pen. Cuban, Red and Silver Duck Wing Pit Games, 1st cock at Morristown poultry show. All pens headed by show birds. Eggs, \$3.00 per 13. Start with the right kind. Address FRANK C. JARNAGIN, Prop. Tate Spring Poultry Farm, Tate Spring, Tenn.

Eaton's Peerless Self Feeding Dry Food Hopper Rat Proof. Hangs up. Write us. YOUR DEALER OR	TRY OUR METHOD FOR WINTER EGGS	Eaton's Perfection Mash Ration for Laying Fowls A WONDERFUL EGG PRODUCER
R. D. EATON GRAIN & FEED CO. Dept. E		Norwich, N. Y.

BREEDERS' CARDS**Too Late to Classify**

BUFF ORPINGTON DUCKS—World's greatest. Investigate them. Write Otis K. Hobbs, Hickory Grove, Ky. 92

PRINTING for poultrymen; fine cuts used. samples free; mention your breed. W. A. Bode, Fairhaven, Pa. 102

GOLDEN BARRED ROCKS—(The 400 in chickens). Free catalogue. L. E. Altwein, St. Joseph, Mo. 93

BOURBON RED TURKEYS—Choice lot for sale. Toms, \$5.00 each; hens, \$3.00 each. Mrs. J. D. Hammond, R. 1, Bardstown, Ky. 92

S. C. R. I. REDS and Barred Plymouth Rocks—Best of stock. Eggs, \$1.50 per sitting. A. S. Bell, Knoxville, Tenn. R. F. D. 92

SINGLE COMB ANCONAS—The greatest winter layers in the world. Young stock for sale and eggs for hatching. Write for prices and mating list. C. H. Mills, Warren, O. 97

WHITE WYANDOTTES—Strictly pure bred prize winners and heavy layers. Eggs, \$2.50 per 15. A few fine ten months' old cockerels, \$3.00 each. W. R. Peaslee, Fernandina, Fla. 94

ANCONAS—The twentieth century egg machines; large birds, bred for color and eggs. First prize every show exhibited. Write for mating list. Oakley Home Poultry & Dairy Ranch, Asheboro, N. C. 97

CRYSTAL WHITE ORPINGTONS—The highest type of this magnificent fowl. Eggs—\$2.00, \$3.00 and \$5.00 per 15. The Crystal Farm, Dr. Dennis Morrill, Prop., Falkland, N. C. 97

S. C. BUFF ORPINGTONS—A rich golden buff, and Buff Orpington Ducks. Heavy layers. Start your yard with something new and pretty. Eggs only. J. T. Bailey, Mt. Roszell, Ala. 97

INDIAN RUNNER DUCK EGGS from American standard fawn and white ducks, that lay white eggs only. Fertile eggs from healthy, heavy-laying stock, \$1.50 for 13. John Wall, McKenzie, Tenn. 96

SILVER PENCILED ROCKS—best Rocks of all. Winners and layers. Won at Hot Springs, Searcy, Little Rock, 1911. Eggs from choice pens. Try some. Mrs. J. H. Browning, Judsonia, Ark. 97

WHITE ORPINGTONS—Buy stock and eggs from great winners. Prizes won this fall at two shows, six firsts, three seconds, one sweepstakes. Write your wants. Kennamer Farm, Columbus City, Ala. 94

SINGLE COMB REDS—1st pen; 2d and 3d pullet; 2d cockerel; color specials male and female; special best display, Columbus Poultry Show. Eggs—\$2.00, \$3.00 and \$5.00 per 15. C. L. Peirce, Columbus, Ga. 97

ORPINGTONS, White, Black. Anconas (the egg machines). First prizes at highest class shows. We have the best. Write for mating list and prices. Rhodesville Poultry Yards, Athens, Ga. 97

THE LAWRENCE FARM, Jacksonville, Ala., won nine ribbons at the Alabama Poultry Show, December 5th to 9th, on Buff Orpingtons and White Plymouth Rocks. Stock and eggs ready. Send for circular. 97

BUFF ORPINGTON EGGS from prize winners at Savannah show, \$3.00 per sitting; from No. 2 pen, \$1.50. White Orpington, Kellerstrass strain, \$3.00 per sitting. Riverview Poultry Farms, Route 1, Savannah, Ga. 94

KELLERSTRASS CRYSTAL White Orpingtons Exclusively. First second, third pens; second cock, Memphis, 1911. First, third hens; second cock; first, second, fourth cockerels; fourth pullet; first, third pens; Pine Bluff, 1911. Eggs, \$5.00, \$10.00, \$15.00 for fifteen. W. Griff Callicott, Coldwater, Miss. 97

HIGH-CLASS S. C. WHITE LEGHORNS, Young's Strain. At Tennessee State Fair, 1911, we placed seven birds on exhibition and won 1st pullet, 2d cockerel, 4th and 5th pullet, 4,000 birds in this show, 200 White Leghorns competing. Eggs from our prize-winning mating, \$1.00 per 15, \$5.00 per 100. Let us book your order now. A few cockerels left at \$1.00 each. W. E. Russell, Normandy, Tenn. 92

costs \$1.50. He said his chickens averaged him \$1 a-piece. He said a good hen would lay 144 eggs a year. "The speaker urged honest dealing. He said Kentucky and Tennessee alone last year sold 1,800,000 rotten eggs. This was dishonest. The speaker advised against cross-breeding in the poultry business.

"The speaker gave this remedy for lice: Three parts gasoline, one part crude carbolic acid and enough paris green to absorb the mixture. Put in cans, and when dry, sprinkle on the chicken on the neck and under the wings."

All school teachers, and especially those in the country, who are interested in poultry and make the subject more or less a part of their course, will be glad to know that the American Poultry Association, which met in Denver last summer, voted that the secretary should secure enlarged pictures of the different breeds, from the Standard of Perfection, and sell them to educators at cost. These will be helpful, not only in teaching recognition of the different varieties but in showing the standards by which to judge home birds. These pictures can be secured by writing the secretary, S. T. Campbell, Mansfield, Ohio, who will furnish information as to cost, etc.

In our report of the Morristown show in this issue, the winnings accredited to J. J. Thompson on White Rocks should read Buff Rocks. Mr. Thompson also won 1st pen.

BLACK LANGSHANS—Two years my birds won 29 of 35 possible firsts. Just won The Industrious Hen Cup. Strictly trap-nest records. Exhibition birds and eggs for sale. James R. Brown, Sweetwater, Tenn. 97

SINGLE COMB BUFF LEGHORN eggs, \$1.50 and \$3.00 for 15. First prize winners at Nashville and Augusta. No better laying strain bred today. W. W. Evans, Chapel Avenue, Nashville, Tenn. 97

WHITE FACED BLACK SPANISH exclusively for 17 years. Best blood in America. Non-sitters—lay the largest egg laid by any breed. Eggs and Baby Chicks. Circular free. Chestnut & Son, Centralia, Kan. 97

COLUMBIAN WYANDOTTES—Some splendid breeding and show cocks for sale, that are strong in size, type and color markings (from prize-winning strains). Prices reasonable. H. H. Hayes, Union Springs, Ala. 97

FOR SALE—Forty Barred Plymouth Rock pullets, four cockerels, nine yearling hens, one cock, Pope & Pope strain; two Ancona and two Rhode Island Red cockerels. All high bred stock—will sell cheap. A. N. Blakemore, Scottsboro, Ala. 92

ORPINGTONS. Five Kellerstrass Crystal White and five Cook's strain Black Orpingtons, eleven months' old cockerels for sale, five dollars each. Eggs from both strains, five dollars per setting of fifteen. Mrs. L. E. Veal, Barnesville, Ga. 94

ANCONA
HEN'S THAT LAY
EGGS THAT HATCH
H.E. PORTRUM
ROGERSVILLE, TENN.
MEMBER INTERNATIONAL ANCONA CLUB

MATING LISTS

Should be printed NOW. Our facilities are the best. Send for samples and prices. Try the Newman Letter Heads, Envelopes, Cards, Entry Blanks, Labels, Shipping Tags—our work and prices will please you.

S. B. NEWMAN & CO.
Printers to Particular Poultrymen
617 GAY STREET
KNOXVILLE, TENN.

The FORBES POULTRY YARDS
MRS. FLORENCE FORBES, Owner, New Decatur, Alabama

Buff and Black ORPINGTONS, S.C.W. and Brown LEGHORNS
S. C. RHODE ISLAND REDS, WHITE WYANDOTTES
PLACK MINORCAS, BARRED PLYMOUTH ROCKS

Won this season—Six silver cups. Grand A. P. A. Gold Medal and hundreds of ribbons. Some special bargains in S. C. BROWN LEGHORN Cockerels if ordered now. Eggs and Stock. Every sale guaranteed satisfactory. Agent RELIABLE INCUBATORS. CONKEY'S REMEDIES and POULTRY SUPPLIES.

S. C. White Leghorns (Young's Strain) **S. C. Rhode Island Reds**
Hens, Pullets and Cockerels for Sale. Incubator Eggs \$5.00 per 100.
MRS. SLAUGHTER DOWNER - - - - -
Guthrie, Kentucky

BARRED PLYMOUTH ROCKS (Exclusively)

Superb is the quality of our Barred Rocks. To prove our quality, notice our winnings for 1911. At the Kentucky Poultry Show, won 1st cock, 4th hen, also special; Lawrenceburg, Ky., Fair, 1st cock, 1st pullet and 2d cockerel. Kentucky State Fair won 1st hen, 1st pullet, 2d cock, 2d cockerel. At the Great Appalachian Exposition Poultry Show, Sept. 25th, won 1st cock; 1st, 2d and 3d hen; 1st, 3d and 4th pullet; 2d and 4th cockerel. If you want exhibition birds or good breeders, write us for prices. Our motto is to please.

BLYTHE BROS. : : R. F. D. 2, Box C, Frankfort, Ky.

PORTER'S CHAMPION Buff Orpingtons LAY, WEIGH, PAY

My winnings for the month of December include 1st, 2d, 3d, 4th pullets, Tonica; 1st, 2d cockerel, 1st pen, LaSalle; 1st pen, Princeton; 2d cockerel, 1st pen at the State Buff Orpington Show, Pekin, 143 Buffs competing. Blood will tell, and my Orpingtons reproduce themselves. Eggs for Hatching a Specialty. Circular free.

A. B. PORTER
BUFF ORPINGTON SPECIALIST
Box C LaSalle, Illinois

Ballard's Buff ORPINGTONS

Clinging to the Single Standard and winning the coveted sky-colored ribbons. At the great Tri-State Fair, Memphis, Sept. 26th to Oct. 4th, 1911, they won in the hottest competition the South has ever known, cocks, 1st, 2d, 3d; hens, 1st, 2d, 5th; cockerels, 2d, 4th, 5th; pullets, 1st, 2d, 3d, 4th, 5th; pens, 2d, 3d; grand special for second best display in the show, all breeds competing; special cash prize for best display of Buff Orpingtons. A few grand cockerels left; no other stock for sale. Didn't have half enough to go around. Those 1,200 are gone; they have helped my old friends and made many new ones. Handsome illustrated mating list free.

W. H. BALLARD, Box H, Route 5, Memphis, Tenn.

White PLYMOUTH ROCKS

"BLUE GRASS STRAIN"

Do you want to win the blue at your coming poultry show? If so, you must have a bird with a five-point comb, red eyes, long straight back with low well spread tail, full breast, snowy white plumage and yellow legs. This is truly

▲ WINNING COMBINATION

and we are pleased to state that we have a grand flock of just such birds, and can supply your wants at extremely low prices, considering the quality. When you buy a bird from us you not only get the best of blood lines, but you get constitutional vigor that free range on blue grass meadows alone can produce. Write for new catalogue.

R. L. JAMES, Route 5, Box H, Lexington, Ky.

Kellerstrass' Crystal White Orpingtons

All from prize-winners—best blood in America found in my pens. All pens headed by males direct from Kellerstrass' best 1911 pen. First pen contains pullets from the \$2-an-egg pen also. Eggs \$3 and \$5 a sitting; Baby Chicks, 50 cents each.

COMO CHIX YARD, Como, Tenn.

INCUBATION AND INCUBATORS. —THE MACHINE.

(Continued from page 264)

erect and also allow the trays to be moved in or out without danger to the youngsters below. One of our best incubators is faulty in this respect, and, while it is a very successful hatcher, it decapitates or otherwise injures several of the chicks every time the tray is drawn out or replaced. Better no space below than a space that is too limited. The removable nursery is one of the most valuable improvements that has been made in incubator attachments for many years, and all who have used it agree that no machine is complete without it. It gives an abundance of room for the chicks as they drop from the tray above and it permits the removal of the chicks from the nursery without disturbing any unhatched eggs that may be left in the tray. The bottom of the nursery is covered with a canvas carpet so that the chicks will not be lamed or injured by slipping. The floor of the removable nursery is usually attached to the front of the egg chamber at right angles and in such a way that the whole nursery can be drawn out as easily as one usually pulls out the drawer of his desk. Such an arrangement makes cleaning and inspection easy, besides giving one access to the chicks in cases of partial or delayed hatches. It also makes it possible to use the nursery to its greatest advantage. The first twenty-four hours are very important ones in the life of a chick, and a properly constructed removable nursery is the best place that has been found for its safety and welfare.

Thermometer.—An instrument of this kind should be plainly legible and it should be convenient to handle. The usual practice of glazing the back of the tube with white porcelain makes the reading of the temperature very difficult. There seems to be no good reason for this. This white background makes a grayish shade, the color of the mercurial column, and unless the light is very good and strikes the figures from the right direction it is almost impossible to ascertain the temperature without removing the thermometer from the machine. This is bad, as the column is likely to contract or expand while being conveyed to the light. A thermometer with a red or green background, a large mercurial column, a few plain marks and figures, and mounted upon a convenient yet substantial frame will be a boon to poultry men. Improvements are being made, and it is well for purchasers to ask for the latest and the best. In connection with thermometers it is well to state that the so-called "magnifying lens" is a failure and much more difficult to read than the plain round tube unless it is held in exactly a certain position with reference to the light. The thermome-

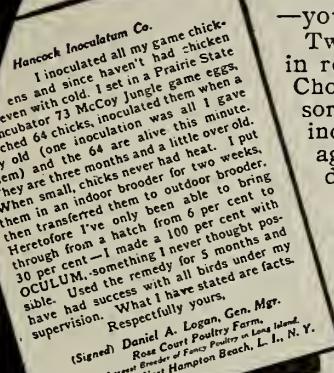
100% of Hatch Raised by OCULUM!

Poultry-Protecting Wonder of the 20th Century

Health Now for Fowls. Deadly White Diarrhea, Cholera, Gapes, Roup and Sore Head Positively and Permanently Cured and Prevented by this Wonderful, New, Effective Remedy

Never in the history of poultry raising has there been a remedy discovered to which fowls respond so quickly as to the scientific treatment of *inoculation*. Never before have you had equal opportunity to insure your poultry against sickness —your profits against depletion.

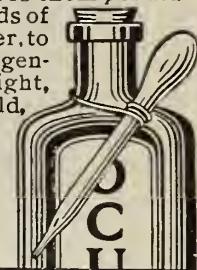
Two or three drops of Oculum injected in rectum of fowl prevents and cures Cholera, Roup and White Diarrhea. Absorbed by bowels, passes into blood, inoculates and safeguards the fowl against these deadly profit-draining diseases. *Nothing else like it.*



FREE Testimonials and Circular Giving Government Diagnosis of Cholera and White Diarrhea

Send for this money-saving information at once. All poultry raisers want it. Ask your dealer for Oculum. If he can't supply it, send 10c with coupon for sample, or 50c for bottle, or \$1.00 for large bottle. Your money cheerfully refunded if Oculum fails to give entire satisfaction. Write at once.

The world's greatest preventive; also the world's greatest curative. The only sure cure known for these diseases. Oculum cures the most aggravated cases; cures them permanently. We guarantee it. We have hundreds of letters like this one from a great poultry-raiser, to prove it. For puny fowls, Oculum is the best general tonic known. Renews vitality, builds weight, beautifies plumage. It increases egg yield, keeps down lice, and it stands between you and 90% of the causes that make poultry raising a drudgery and profits uncertain. Treatment simple—given in 30 seconds. Results stupendous. Cost, a trifle compared to lessened work and heaped-up profits.



(8)

HANCOCK INOCULATUM CO., Inc. Dept. M, Salem, Va.

Hancock Inoculatum Co., Inc., Dept. M, Salem, Va.
Please send Oculum and directions for use, according to your money-back-if-not-satisfactory terms, as per size checked below.

Name

Address

Sample 10c size.

50c size.

\$1.00 size.

ter tube need not be over four inches long, and the less metal it has attached to it the better. In regard to the accuracy of the thermometer, almost any physician will test it for you by the side of his clinical thermometer, which has about the same scale and range.

Regulator.—Many are the methods that have been tried for automatically regulating the temperature of the egg chamber. So far all of them depend upon the principle of contraction and expansion. The demand is for some simple device that will allow the temperature to rise so high and no higher, and that will maintain the temperature at that degree regardless of the weather or external influences. Most regulators act upon a damper over the top of the lamp, and, by opening or closing the same, regulate the amount of heat that passes into the incubator. The expanding horseshoe-shaped bar, the elliptical spring bar, and the metallic disk are the most common regulator powers of the present. Perhaps in the course of time some one will make a regulator from a coil or spiral spring that, reaching clear across the top of the egg chamber, will very accurately control the admission of heat. At the present time the best regulator is the double disk, whether filled with air or with liquid. Excellent results are obtained by using the single disk, but the double disk is still better. The writer prefers a double disk with a diameter of four or five inches. Such disks will be very susceptible to changes in temperature and will be strong enough to act upon the damper.

Ventilation.—So much has been written upon the subject of ventilation that the reader need not expect the writer to add much that is new to the literature upon this subject. One thing is sure, namely, that in nature the mother hen is compelled to allow fresh air access to her eggs. But she

frequently makes her nest in places where the air is far from good, and yet she gives us a fair hatch regardless of atmospheric surroundings. It is not likely that frequent currents of fresh air are necessary to successful incubation, nor does it seem certain that air in motion, even if it has been warmed, is inclined to promote hatching. If the machine is opened twice a day and the eggs taken out to be cooled or turned, they get about all the ventilation they really need. But accidents may happen; there may be leaking of steam or smoke, or a breaking of an overlooked decomposing egg, and, for fear that such an accident may happen between the hours of inspection, it is well to have a system of moderate ventilation in operation. One of the best methods is a circular hole in the bottom of the machine, this hole being about 1½ inches in diameter and covered with fine wire screening on the inside and provided with a slide of tin or other metal upon the bottom or outside. This slide should be open when the

Fried Chicken

I didn't kill them, they were too nice; they have grown to be fine, large 'cherry red'."

Cockerels Now

I have too many—going to sell a few at your price, if I can't get mine. \$3.00 each, or two for \$5.00. Money back if not satisfactory—Better order today.

J. H. HEN ERSON, Knoxville, Tenn.
Breeder of Brown Leghorns Since 1890

Giant BRONZE TURKEYS

Blue ribbon winners at Louisville, Adairville, Springfield and Atlanta; won best display Tennessee State Fair for two years—more first prizes than all competitors combined. Stock for sale. Satisfaction guaranteed.

MRS. T. W. SIMMONS, White House, Tenn.

WYANDOTTES

BUFF AND WHITE

Winners for twelve years at leading shows, including Chicago, Cincinnati, Louisville, Chattanooga, Birmingham, Appalachian Exposition and Insular Exposition, San Juan, Porto Rico. Six hundred selected breeders and exhibition birds for sale. Write your wants. If you want to win and breed winners, we can help you.

SQUARE DEAL POULTRY FARM, Box 532-J, Maysville, Ky.

POWER & CABLISH, Proprietors

W. L. MANCHESTER, Superintendent

S. C. WHITE LEGHORNS

Have a few good birds for sale yet. Egg orders now being booked for later delivery; also will accept a few orders for S. C. WHITE ORPINGTON EGGS. Write me for prices.

J. I. MOORE, Beckham, Virginia

White ORPINGTONS

My birds represent the strongest blood lines obtainable. ABSOLUTELY WHITE, typical ORPINGTON shape, those deep bodied, low-down kind, up to standard weight. Won with pullets seven months' old that weighed over seven pounds. Cock that heads first pen has phenomenal show record, winning first wherever shown at "Leading Southern Shows." Savannah—won 1st cock, 2d and 3d pullet; Columbus—won 1st cock, 1st and 2d pullet; Georgia and Florida Show, Thomasville—won 1st cock, 2d and 3d pullet.

SIX GRAND PENS NOW MATED

SEND FOR MATING LIST. SATISFACTION GUARANTEED.

Fifteen years a breeder of standard-bred poultry. Five years a breeder of Orpingtons. STOCK AND EGGS.

W. G. TURPIN, Box II, Americus, Ga.

Now is Your Chance to Get a Start for Less Money of Lansden's Famous

"Red Fox Strain" S. C. R. I. REDS

Five select pens are now mated, choice breeders, bred in line for years, that will deliver the goods. We make no cheap or so-called utility matings and fill no large orders for incubators. Our business is strictly fancy, with a view of improving all the time. The results for the past five years, as shown in the hands of our many satisfied customers all over the country who have come to us for help and received it, is evidence that we know how to mate for good results. That's the secret of the business. We do not depend on famous prize winners to get what we want. If you expect to reach the top of the ladder, you will have to eventually come to me. Why not now, and save time? Our eggs are all the same price—\$10.00 for single sitting, or two sittings at one time for \$15.00. We do not ask you \$25.00 to \$50.00 per setting for eggs from noted winners that are dead, in order to excite you for your hard-earned money. Write me for my mating list of the best REDS on earth, and WHITE INDIAN RUNNER DUCKS, the greatest egg producers in the world; a pure white duck that lays a pure white egg all the year round. A small fortune in these ducks, if you start now while the craze is on. We have the best that could be found. Eggs, \$10.00 for 12. Make your order now if you expect to get them. Write me for anything you want to know about the chicken business. Twenty years in the business. Reference—this paper or any other in the South.

H. B. LANSDEN, Lock Box B, Manchester, Tenn.

Carter's World's Fair Strain of

Brown Leghorns

500 Regular and Special Premiums, including many Silver Cups. Compare this record with other breeders before placing your order for stock.

COCKERELS and PULLETS for Sale October 1st. * * * * *

E. E. CARTER
KNOXVILLE, TENNESSEE
Dept. I. H. 967 Broadway

WHITE ORPINGTONS

Hatched from my eggs last December weighed
2 Lbs., 2 Oz. at 8 Weeks
Best egg record—227 in 10½ months.

MRS. L. P. SHANKS
1706 YALE AVE. (COOK STRAIN)
KNOXVILLE, TENN.

S. C. White and Black MINORCAS BLACK ORPINGTONS and INDIAN RUNNER DUCKS

Eggs—\$1.50 to \$2 for 15. I have same strains that won first prizes at Tennessee State Fair and other leading show in 1910 and 1911. Stock as good, but my eggs are cheaper. If its quality you want, write me. **MRS. J. F. CARROLL**, Hohenwald, Tenn.

The SOUTHERN PLANTER

The South's Oldest, Largest and Best Farm Magazine
and THE INDUSTRIOUS HEN, both one year for 50 cents.

INDUSTRIOUS HEN CO., Knoxville, Tenn.

"Only" Rose Comb Rhode Island REDS

Won again at Great Hagerstown Show, Oct. 1910: 2d and 3d cock; 2d hen; 3d cockerel; 2d, 4th and 5th pullet, and 1st pen. This with my winnings heretofore certainly prove that I have Reds of great quality. Write your wants. **M. C. RICHARDSON, JR.**, Member of Red Club, Frost Royal, Va.

machine is first heated. It should work easily and be slightly open all the time, and should be altered according to the weather. One thing often overlooked is the quality of the air in the room occupied by the incubator. The room should be clean, free from dust and mold, moderately dry, and contain air of absolute purity. This has more to do with the condition of the air in the egg chamber than many are inclined to admit, and is, in the writer's opinion, the major part of ventilation.

Moisture.—This is another topic that has been freely discussed in the poultry journals. A great many different plans have been advocated for keeping the air in the egg chamber properly charged with water. The simple plan of placing in the bottom of the egg chamber a saucer containing a small wet sponge is as good as any. There does not appear to be any better method than this of rendering the air around the eggs humid. The amount of moisture required is so little and varies so much under different circumstances that the ingenuity and judgment of most operators can be relied upon to provide moisture as needed. If the incubator is operated in a cellar or basement, the air will probably be damp enough without the further introduction of moisture into the egg chamber.

Summary of the Good Points of an Incubator.

On the other hand, good material, good workmanship, and adaptability of parts, or such arrangement of the various parts of the machine as shall make it efficient, practical, and convenient, are desirable. Two dead-air spaces, good strong legs, plenty of space in the egg chamber, good windows properly placed, a good thermometer located where it can be read without disturbing the machine are all necessary and among the strong points of a good incubator. In addition to these, there are a good lamp—one with a good burner and good chimney—a good regulator, a good strong tray properly placed, and a good roomy removable nursery tray below.

Customers should be cautioned against buying an incubator of large size for experimental or farm work. The so-called 100-egg size is large enough for the beginner. One tray and one egg chamber are enough.—Farmers' Bulletin No. 236, U. S. Department of Agriculture.

(To be continued next month.)

HOW TO RAISE EARLY CHICKS.

Dear Editor: I run several incubators and have good success with my hatches, but have lost thousands of the little downy fellows from the much-dreaded bowel trouble. A lady recommended Walker's WALKO Roup and Cholera Remedy, so I sent 50c (m. o.) for a box (postpaid) to the Walker Remedy Co., F. 9, Lamoni, Iowa. I tried it on 350 chicks and they grew very strong, being nearly full feathered at four weeks. I never lost one from bowel trouble. It is certainly fine for incubator chicks; gives them strength and vigor as well as preventing bowel trouble.

Mrs. A. D. Wells, Bolivar, Mo.



When you eat squabs ask for Plymouth Rock squabs

SQUAB BOOK FREE for 1912, telling how to make money breeding squabs, how to start small and grow. 5000 wanted daily by only one N. Y. commission firm. See what they say in National Squab Magazine (monthly) specimen copy from us Ten Cents. **PLYMOUTH ROCK SQUAB CO., 317 Howard St., Melrose, Mass.** Founder of the squab industry in America.

Ballard's Strain INDIAN RUNNER DUCKS

MORE IN THE STRAIN THAN IN THE BREED

Why look further when it has been proven beyond a doubt that Ballard's Strain of Indian Runner Ducks are the greatest egg producers in the world—no fowls excepted. A certified egg record of over 225 eggs each per duck in one year. Remember to ask when breeders claim a high egg record, can they give a certified egg record. We give facts, not hot air. At the great Appalachian Exposition, 1910, we won all firsts except one. This year we won 1st, 2nd and 3rd old drake; 1st and 2nd old duck; 1st, 2nd and 4th young drake; 1st, 3rd, 4th and 5th young duck. 14 ducks entered. 94 ducks competing, including Tennessee State Fair 1st prize winners. On White Runners we won the 1st old duck, 1st young duck and 2nd old drake, only 4 entered. Two of the largest White Runner breeders competing. Some extra fine exhibition drakes for sale. Remember you can't win without Ballard's Strain. Sold the Hon. Wm. J. Bryan trio at the Exposition; pronounced by him to be the best he ever saw. Standard Bred S. C. WHITE LEGHORNS and S. C. BUFF ORPINGTONS, the best layers to be found. Eggs cheap. Day old ducklings and chicks a specialty. Write for catalogue.

NOLA CHUCKY POULTRY FARM, Clayton I. Ballard, Prop.

: : : WHITE PINE, TENNESSEE

Duck Department

By CLAYTON I. BALLARD, White Pine, Tenn.

FEEDING DUCKS.

The feed of the duck is both vegetable and animal in nature. In the wild state it gathers its food from brooks, rivers and marshes, consisting of wild grass, plants, small fish and water insects. When the birds are raised in confinement, the diet, in a measure, must be imitated to get the most satisfactory results. The duck has no crop like fowls, the food passing directly from the throat to the gizzard, and as a consequence the feed must be in a soft, mushy state.

Too much hard food, such as corn and wheat does not agree with ducks and they cannot thrive on it. Soft food is their natural food, together with grasses and vegetables and animal food. Beef scraps is the best substitute for animal food, while clover, rye, alfalfa or rape makes an excellent green food.

Mixing Feed.

The feeding stuffs should be mixed in a trough sufficiently large to hold the quantity without wasting over the edges. First, mix the corn meal and wheat bran together while dry. After these have been mixed thoroughly it should be moistened with water and mixed to a dry crumbly state. It should not be too wet or sloppy, as it is then not so good for the fowls, neither can it be handled and fed properly. In a second trough place the green food, such as cut clover, rye, wheat or oats and dampen with water. Then mix the allowance of low-grade flour or middlings with it. Thoroughly mix so that the flour or middlings will completely cover the green stuff. After this has been done, mix the flour and green stuff with corn meal and wheat bran and the allowance of beef scraps and sand. When vegetables are used, they should be well cooked before mixing in the ration. Grit in some form is essential to ducks and should be kept before them at all times. Many overlook this fact and do not seem to understand that it is of as much value to them as it is to chickens. One of the best grits obtainable is cinder from stone coal, which is liked better by ducks than any kind of grit you can give them.



Rhodes' White

Indian Runner Ducks

A large lot of fine breeders for sale. Originator of the Rhodes Strain. Fawn and White Runners; a fine lot of standard bred breeding and exhibition birds.

MRS. A. N. RHODES, New Castle, Ind.

Wingert's Indian Runner Ducks

TRUE FAWN AND WHITE STRAIN

Exhibition and Select Breeders a specialty. Eggs. Day-old Ducklings.

J. J. WINGERT,

Box W, Crawfordsville, Ind.

Price Cut Right Half-in-Two on the New Buffalo Incubator

THE WHOLE STORY IN AN "EGG-SHELL" is that I have cut my expenses down to rock-bottom by eliminating expensive branch houses and managers, the printing of expensive catalogues and literature, with the postage on same, and all other selling expenses. All this saving goes into making an even better incubator than last year.

You get the benefit, for I am going to send you a better machine than you could buy elsewhere at double the price.

The New Buffalo Equipment Perfect ventilation—three compartment heater—accurate regulation—egg trays covered with galvanized wire cloth—strongly made legs of heavy metal, nicely shaped—double door—deep nursery—safety lamp, and all materials throughout of the best. I am offering all these new improvements in the Standard Buffalo Incubator at half-price—a saving of 50% to you. Why should you pay twice my price for an incubator not up to the new Buffalo Standard?

YOU GET THESE LOW PRICES:

Offer No. 0.—50 to 60 Egg Size, Shipping Weight, 65 lbs.	\$ 9.50
Offer No. 1.—110 to 120 Egg Size, Shipping Weight, 90 lbs.	12.00
Offer No. 2.—220 to 240 Egg Size, Shipping Weight, 130 lbs.	16.00
Offer No. 3.—340 to 360 Egg Size, Shipping Weight, 160 lbs.	20.00

Now About the Brooder:— What I have said about the New Buffalo Incubator, its quality of construction and lowness of price, applies equally well to the New Colony Brooder. Easily taken apart,—good lumber, fibre board roof, sanitary, open-hearth floor of galvanized iron, double heater above the lamp, profuse ventilation and all best features to be found in any brooder.

These Prices Make the Buffalo Brooder the One Best Buy

Offer A.—The Buffalo Colony Outdoor Brooder. Size all over, 3 x 6 feet. Shipping weight, 150 lbs. \$12.00

Offer B.—The Buffalo Indoor Brooder, which is the nursery half of Colony Outdoor Brooder—constructed heated and regulated same as Colony. Size (not including run) 3x3 feet. Shipping weight, 90 lbs. Price, \$9.00

My Guarantee: I guarantee to see that you are satisfied. Your money back instantly if you are not.

If you wish more information, write today and I will send you descriptions and complete details.

ORDER BLANK

CHAS. A. CYPHERS, Pres.,
BUFFALO INCUBATOR CO.,
476 Dewitt Street, BUFFALO, N. Y.

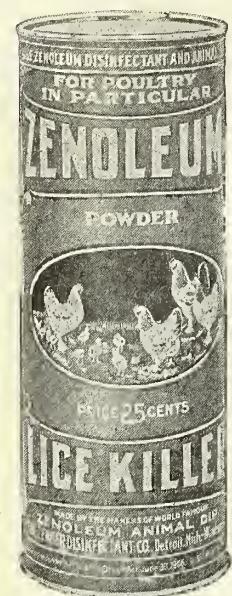
Dear Sir—Enclosed find \$.....(P. O. Order—Exp. M. O.—Draft—Check) for which ship me offer No. in accordance with offer made in January issue of Industrious Hen.

Name

Shipping Station

State

SIFTER TOP BOX

At Dealers, 25 cents
Postpaid, 35 cents

Something entirely new and good

Made by the makers of Famous Zenoleum Disinfectant
The great poultry remedy that all poultry men are talking about

ZENOLEUM POWDER LICE KILLER

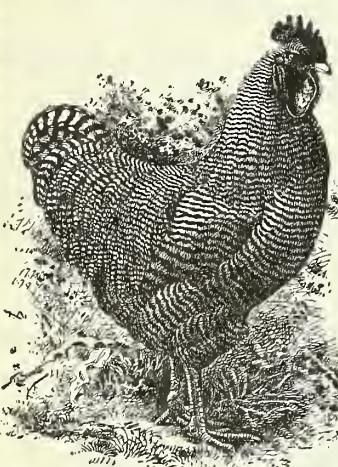
NOTHING AS GOODDON'T TAKE A SUBSTITUTE

We are positive this is the very best lice powder. Try it. **Guaranteed right or money back.** It is a wonderful collection of absolute insecticides, scientifically blended to give positive results. It is used in 46 Agricultural Colleges and by the most prominent people in the poultry business. TRY IT NOW.

Send for our great FREE Book "CHICKEN CHAT." Send postal at once.

THE ZENNER DISINFECTANT CO.

201 Lafayette Ave., Detroit, Mich.



ROYAL STRAIN BARRED ROCKS

Have won for us in the past two years at the following shows and they will win for you. 2d cockerel, 2d and 3d hen, 4th pullet, 2d pen, Greenville, S. C., 1909; 4th cockerel, Spartanburg, S. C., 1909; 1st pullet, Charlotte, N. C., 1909; 3d cockerel, 1st hen, Atlanta, Ga., 1910; 1st cock, Augusta, Ga., 1910; 4th cock, 2d and 5th hen, Charlotte, N. C., 1910. EGGS—\$3.00 per setting of 15; two setting for \$5.00. Incubator eggs, \$1.50 per 15; \$8.50 per 100.

DES-RENA POULTRY YARDS
GREENVILLE, S. C.

The Famous DUMARESQ BUTTERCUPS

From the original imported fowls. The record breaking bird for laying the largest number of eggs. Stock for sale from my blue ribbon winners at Appalachian Exposition and other shows, headed by cocks Taranta and Palermo. Testimonial of pullets laying in 124 days. Eggs large and white—orders now booked.

MRS. J. S. DUMARESQ, Cato's Hall, Easton, Md.

BUFF ORPINCTONS

I have birds that will please you. Summer price on eggs from all pens \$2 for 15. Stock for sale

WEST LAWN POULTRY YARDS
J. C. DENNIE : : : 51 Gilmore Ave., NASHVILLE, TENN.

WHITE WYANDOTTES

My Wyandottes won at Alabama State Fair in Birmingham 3d cockerel, 1st and 2d hen, 2d, 3d and 4th pullets, 3d pen. At West Alabama Fair in Tuscaloosa, won sweepstakes and best pen. My Mammoth Pekin Ducks took everything in Birmingham, Montgomery and Tuscaloosa. Have a fine lot of young birds for sale.

OLIVER RUTHERFORD, Box 77, Eutaw, Ala.

Ration for Breeding Ducks.

A ration for breeding ducks is recommended as follows: One-third each corn meal, wheat bran and middlings or low grade flour. Beef scraps 10 per cent, and one-fourth of the whole amount green food. If they havn't running water, add 5 per cent of clean sharp sand.

Ration for Market Ducks.

When ducks are raised for breeders they are fed differently from those intended for market. For the latter increase the corn meal to one-half and the beef scraps to 15 per cent. After ducks are one week old, we feed the same ration as we do breeder. First week we feed bread moistened and sprinkled lightly with clean sand. As has been previously stated, water for bathing is not at all necessary for growing ducks, but a liberal supply for drinking is absolutely essential to their growth. The food of the duck is such as to require water when eating. When feeding always replenish the water vessels with pure fresh water, and see that they have water deep enough for them to get their heads under to prevent clogged nostrils and sore eyes.

Buildings for Breeding Stock.

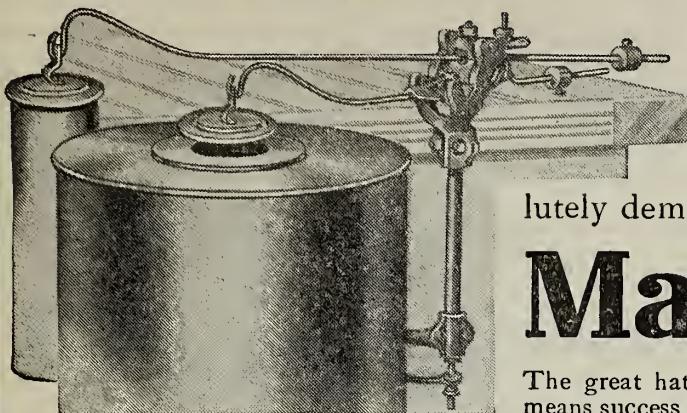
Houses for ducks are simple here in the South. All that is needed is a shed house open full to the South with wind proof ends and back. You do not need roost poles or nest boxes. A duck does not mind the cold if they can keep their feet warm. Cold feet will affect a duck as a frozen comb does a hen, retarding laying and inducing ailments. The feather and down covering a duck will withstand any kind or degree of cold. Heavy feeding will not cause indigestion, but they will become overfat, which will stop egg production.

F. J. B., Chattanooga, Tenn.—Can cotton seed meal be included in a feed ration for ducks?

Answer.—Cotton seed meal, being a very highly concentrated food, if fed at all, should be fed sparingly to ducks, and not at all to chickens. It is advisable to feed 5 per cent of cotton seed meal in a damp mash. This to be fed when forcing for eggs.

Hatching Problems Solved

High Heat must have Low Moisture. Low Heat must have High Moisture.



Automatic Regulator

(Enlarged View)

Adjusts proportions and keeps Heat, Moisture and Ventilation

in correct relation to each other. Increases moisture as temperature falls, cuts down moisture and increases ventilation when heat runs high. And does it automatically, day and night.

The hatch depends not only on the three hatching requisites—heat, moisture and ventilation—but on the *proportions* of each. They bear a certain definite relation to each other. A wrong proportion spoils the hatch. The principle has been absolutely demonstrated and applied for the first time in the 1912

Mandy Lee Incubator

The great hatcher now becomes more than ever the incubator of certainty. It means success for all operators, because all you have to do is follow simple rules. There is no guessing. Not only is moisture measured, but the amount required is ascertained and supplied automatically. No watching or attending. The automatic regulator suits the moisture and ventilation to any and all changes in temperature, day or night.

The open-front poultry house plan of ventilation revolutionized incubator making last year. The Mandy Lee paved the way. The principle of positive relations of heat, moisture and ventilation makes it the well-nigh perfect hatcher. Investigate. Our new book explains all. A copy mailed free.



Note the openings in door at the eggs.
Open-front Poultry House Plan of Ventilation.

GEO. H. LEE COMPANY, 1113 Harney Street, Omaha, Nebraska

MRS. G. M. TENANT

Breeder of S. C. R. I. REDS, eggs from prize winners, \$3.00 per 15; S. C. WHITE ORPINGTONS, Kellerstrass' strain, eggs \$5.00 per 15; INDIAN RUNNER DUCKS, eggs \$2.00 per 15. Member Alabama Poultry Association.

BIRMINGHAM : : ALA.

RUSSELL'S WHITE WYANDOTTES

Won first prizes Memphis, Little Rock, Fort Smith, Hot Springs, Oklahoma City and Pine Bluff. High grade cockerels, \$5 and up. Eggs, \$3 per 15. Agents Cyphers Incubators and Brooders. Leg Bands, 12 for 20c, 50 for 40c. SATISFACTION GUARANTEED.

A. G. RUSSELL & SON : Pine Bluff, Arkansas

AUCTIONEER'S EULOGY ON AN OLD MILK COW

One of the best live stock auctioneers in the State of Tennessee, is J. W. Edelin of the Akers Auction Co., of Knoxville. At a sale recently held at Sweetwater, Tenn., as he had mounted the block to sell a fine looking old milk cow he stopped for a moment to look the animal over and then said:

"Of all the animal friends of man she is the greatest. I wish that I, as you are about to sit down to your Sunday dinner, might take from your table what she had placed thereon. I remove the cup of milk waiting at the baby's chair, I'd take the cream, the cheese, the butter, the custard pie, the cream biscuit, the roast of beef, and leave you a meal of potatoes, beets, pickles and toothpicks."

"Every scrap of her, from nose to tail, is used by man. We use her horns to comb our hair, her skin upon our feet, her hair keeps the plaster on our walls, her hoofs make glue and her tail makes soup. Her blood is used to make our sugar white, her bones are ground to fertilize our soil.

"She has gone with men from Plymouth Rock to the setting sun. It was her sons that turned the sod in the settler's clearing; it was her sons that drew the prairie schooner for the sturdy pioneers, while she followed. And when the day's march was done she came and gave the milk to fill the mother's breast to feed the sucking babe that was perchance to become the ruler of his country."

MAMMOTH BRONZE TURKEYS

FALL STOCK

Six yearling Toms, 12 Hens, 50 Cockerels and Pullets; aged stock; comes from my own breeding flock and includes many prize winners. All possess size, vigor and brilliant plumage. There are none better. Barred P. Rock chickens. EASTVIEW POULTRY YARDS, Fayetteville, Tenn., Mrs. W. J. Landess, Prop.

S.C.R.I.REDS

Now is the time to buy your pullets and cockerels. Finest I ever had.

E. B. SEWELL
Care Nashville Bible College Nashville, Tenn.

S. C. BUFF LEGHORNS THE QUALITY KIND

ROBERT P. ADAMS
R. F. D. I., Lynchburg, Va.

ROHDE ISLAND REDS

First Prize Winners, Heavy Layers. Fine cockerels cheap. Red fancier seven years. Write for catalog.

Mrs. J. C. Deaton, Landis, N. C.

S.C.White Leghorns

Will have lots of stock for sale from my exhibition pens for Fall shows. Eggs from best pens, \$1.00 per 15 balance of season.

J. B. VINSON
1020 Mulberry St. : PINE BLUFF, ARK.

Dismukes' Strain Anconas Are the Best

We have spent considerable money, time and labor in perfecting the DISMUKES STRAIN OF ANCONAS, and as a result of our endeavor we can offer you hundreds of exhibition and breeding birds. Our birds have competed for prizes only in the largest shows in the South and never failed to win. Last fall at the Tennessee State Fair and Appalachian Exposition, in a class of 125 birds in the two shows, we won seven out of ten firsts, nine out of ten seconds, and six out of eight thirds competed for. If this remarkable record does not establish the fact that we have the best, WHAT WILL? Our catalogue, the handsomest ever issued by an Ancona breeder, is now ready, and a postal will bring it to you.

DISMUKES & ARRINGTON, Dept. H, Castalian Springs, Tenn.

BARRED and WHITE PLYMOUTH ROCKS

My winnings at the Tennessee State Fair, September, 1911, where I won 1st pen in both Barred and White Rocks, besides a majority of the other prizes, in the hottest competition in the history of the South, clearly demonstrates that we have the best Rocks in the South. We guarantee perfection in everything we sell. Orders for stock and eggs solicited. Write

Sanford McFerrin, Springfield, Tenn.

Rendotte Farm White Runners, White Wyandottes

ARE WINNERS

At the Augusta, Ga., show, the premier show of the South, we won four firsts and one second on five entries. White Runner Eggs—\$10.00 per 12; no stock for sale. White Wyandotte Eggs—\$5.00 and \$10.00 per 15; a few good cockerels, \$10.00 and up. Join the National White Runner Duck Club.

RENDOTTE FARM : : : P. O. Box 300-I, Atlanta, Georgia

Sanders' WYANDOTTES

BLACK AND WHITE

MY BIRDS won in strong competition at Chattanooga, January, 1911, and at Nashville's State Fair, September, 1911, also at Tri-State Fair at Memphis. Stock and eggs for sale. Now booking orders for eggs and baby chicks for January delivery.

S. H. SANDERS : : Route 1, Madison, Tenn.

READ THIS WHITE ROCK breeders who desire to breed up their flocks will do well to communicate their wants when in need of stock or eggs of this desirable breed. Early hatched cockerels of a faultless and vigorous type for sale at one fifty and three dollars each.

MARTIN F. SCHULTES, 748 South Barksdale Ave., Memphis, Tenn.

WHITE PLYMOUTH ROCKS

Buff Ply. Rocks, "Giant" Strain Bronze Turkeys and Indian Runner Ducks

Quality backed by years of careful breeding. Our birds are winners in our hands and customers at Louisville, Cincinnati, Chicago, Boston, Indianapolis and Atlanta. If you wish quality, combined with honorable treatment, we can fill your orders and at prices most reasonable. Stock in either variety mated, no kin, and in any number. Write for prices, etc.

J. C. CLIPP - - - Box 700, Saltillo, Ind.

The Southern Hen

A WONDERFUL NOVELTY IN ORNITHOLOGY

Send for Folder, giving minute description, with valid claims for recognition, and showing naturally her adaptability to a Southern environment.

M. H. WINEBRENER : Walkersville, Md.

The Show Room

By JAS. B. DISMUKES

Southern Show Dates

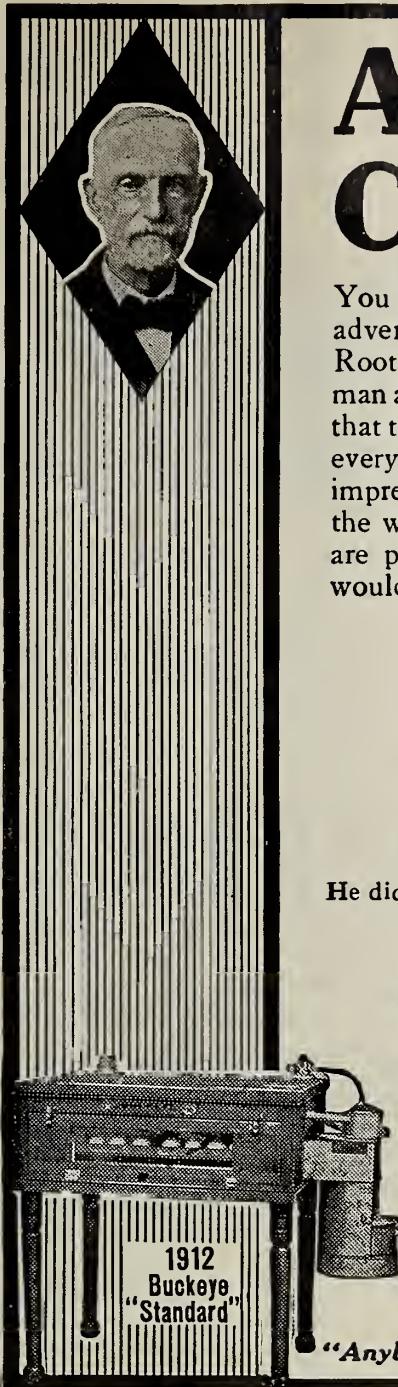
Gaston, N. C., Jan. 5-8.
Ashland, Ky., Jan. 8-11, 1912.
Abingdon, Va., Jan. 8-11.
Bel Air, Md., Jan. 8-13, 1912.
Atlanta, Ga., (Ga. Poul. Assn.), Jan. 8-13.
Abingdon, Va., Jan. 9-12, 1912.
Boston, Mass., Jan. 9-13, 1912.
Richmond, Va., Jan. 10-13, 1912.
Henrietta, N. C., Jan. 11-13.
Monroe, N. C., Jan. 11-15.
Charlotte, N. C., Jan. 16-19, 1912.
Washington, D. C., Jan. 16-19, 1912.
Frostburg, Md., Jan. 16-20, 1912.
Jacksonville, Fla., Jan. 16-23.
Fort Wayne, Ind., Jan. 17-22, 1912.
Dallas, Texas, Jan. 18-23.
Louisville, Ky., Jan. 19-25, 1912.

ATLANTA (GA.) SHOW.

White Rocks.—Cartwright Eustace, New Orleans, 2 ckl, 3 pen; Mrs. E. C. Garner, Atlanta, 5 pen; North Side Poultry Farm, Griffin, 2 pen; J. P. Patterson, Fitzgerald, 1-2 ck, 4 ckl, 2 hen, 3 pul, 1 pen; W. A. Sharpe, Decatur, 4 pul; Marting F. Shultz, Memphis, 1-3-5 ckl, 1-2 pul, 1 hen; T. D. White, Atlanta, 5 ck, 5 hen, 5 pul; L. A. Whitehead, Pinson, Ala., 4 hen; W. B. Harding, Commerce, 3 ck, 3 hen. **Buff Rocks.**—Wonderland Poultry Yards, Kirkwood, 4-5 ck, 2-5 ckl, 3-4-5 hen; F. M. Boring, Marietta, 4 pul; C. R. McAulay, Rockingham, N. C., 1 ck and shape spl, 1-4 pen, 5 pul; O. C. Long, Atlanta, 5 pen; Jeffrey & Hervey, Raleigh, N. C., 2-3 ck, 1-2 hen, shape spl, 3 ckl, 1-2-3 pul, color spl, 3 pen; W. P. Hofferbert, Gadsden, Ala., 1 ckl, 2 pen, color spl; W. G. Archer, Atlanta, 4 ckl. **Silver Wyandottes.**—Pope M. Long, Cordova, Ala., 1-3 ckl, 1-2-3 hen, 2-3-4 pul; Mrs. J. M. Hart, College Park, 1 pen, 4 ckl; D. A. Asbury, Jenkinsburg, 1 ck, 2 ckl, 1 pul. **Golden Wyandottes.**—Will Gonner, Augusta, all awards. **White Wyandottes.**—Sandy Run Poultry Yards, Ellenboro, N. C., 2 hen, 4 ckl; C. A. Bullock, Bullockville, 1 pen, 3 hen; W. J. Roberts, Gurley, Ala., 4 hen; Onlyga Farm, Morristown, N. J., 3 ck, 5 hen, 2 ckl, 1-2 pul, 4 pen; T. S. Little, Camden, S. C., 1 hen, 5 ck; Mrs. L. A. Ligon, Carthage, Tenn., 3 ckl, 4 pul, 3-5 pen; Mrs. L. F. McClelland, Stone Mountain, 4 ck; Mrs. C. M. Vertrees, Sebilian, Ky., 5 pul; T. B. Lee, Greenwood, S. C., 1 ck; W. M. Stephenson, Atlanta, 1 hen, 2 pen, 3 pul; Mrs. Leo Stillman, College Park, 2 ck. **Buff Wyandottes.**—Carl J. Kay, Madison, 2 ckl; Dutch Fort Truck Farm, Columbia, S. C., 1 ck, 1 ckl, 1-2 hen, 1 pul. **Partridge Wyandottes.**—Sandy Run Poultry Yards, Ellenboro, N. C., 5 ck, 2-3 ckl, 2-3-4 hen, 2-3 pul; Pope M. Long, Cordova, Ala., 1 ckl, 2 ck, 3 hen, 4-5 pul; Dr. W. H. Fields, Florence, S. C., 1-3-4 ck, 1 hen, 1 pul; John M. Sewell, Rockmart, 1 pen. **Single Comb Brown Leghorns.**—J. E. Parker, Rock Hill, S. C., 1 pen, 1 pul, 2 hen; Lawrence Matthews, Thornton, Ind., 1 hen, 1 ckl, 4 ck; H. C. Adams, Lynchburg, Va., 1 ck, 2-3-5 pul; Sandy Run Poultry Yards, Ellenboro, N. C., 2 ck; Mrs. Clara M. Baker, Antioch, Tenn., 4-5 hen; Bensch Bros., Rocky Ridge, Ohio, 3 ck, 3 hen, 4 pul; Joseph Warden, Charlotte, N. C., 2-3 ckl; J. C. Porter, Rome, 5 ck, 4 ckl, 2 hen, Bonnie Castle Poultry Yards, Louisville, Ky., 5 ckl. **White Orpingtons.**—Southern Poultry Yards, Atlanta, 1 hen, 3 pul, 1 pen; Mrs. L. P. Eberhardt, Elberton, 3 ck, 3-4-5 hen, 4 pul; Wm. J. Lloyd, Chattahoochee, 5 pul, 5 hen; Mrs. Joseph F. Stewart, Athens, 1 pul; Street & Bishop, Columbus, Miss., 1 ck; Rhodesville Poultry Yards, Athens, 2 pen; J. G. Hattemer, Ft. Deposit, Ala., 3 ck; P. J. Harlee, Chattahoochee, 3 hen, 2-4-5 ck, 2 pen, 5 ckl; A. V. Clifton, Athens, 2 pul, 4 ckl. **Barred Plymouth Rocks.**—J. C. Porter, Roce, 1-5 ck, 5 ckl, 2 pul, 4 pen, best ckl mating pen; E. C. Connor, Greenwood, S. C., 1 ckl; M. H. Collins, Fairburn, 2 ck; W. P. Barnes, Griffin, 3 pul; John E. Goodman, Knoxville, Tenn., 3 hen; Dutch Fort Truck Farm, Columbia, S. C., 3 ck, 4 ckl, 4 hen, 4 pul; E. Dukehardt,

BARRED ROCKS—250-egg bred-to-lay strain; eggs \$3 per 15. **S. C. WHITE LEGHORNS**—layers and winners; eggs \$2 per 15. **INDIAN RUNNER DUCKS**—greatest laying strain; eggs \$2 per setting. **FRANK SEAGLE**, Prop. Valley View Poultry Farm, R.1, Morristown, Tenn.

Decatur, 5 pul; Mrs. L. P. Eberhardt, Elberton, 2 pen; J. E. Jackson, Gainesville, 1 hen, 5 pul; Red Jones, Fitzgerald, 4 ck; Southern Poultry Farm, LaGrange, 5 hen; L. H. Read, Richmond, Va., 2 ckl, 2 hen; W. H. Murray, Newnan, 3 ckl; T. D. Smith, Knoxville, Tenn., 1 pul, 1-3 pen; W. E. Selman, Douglasville, best pullet mating pen. **S. C. White Leghorns**.—Inman Gray, Atlanta, 3 ck, 2 hen; George Bisanar, Hickory, N. C., 2-4 ckl, 2 pul; Mrs. Robert West, Montgomery, Ala., 1 pen, 3 ckl; W. R. Todd, Richmond, Va., 1 pul, 5 hen; Dr. S. C. Tatum, Center, Ala., 5 ckl, 3 pul; Satisfaction Poultry Yards, Lexington, Ky., 2 ck; T. B. Liles, Rockingham, N. C., 3 hen. **B. F. Hart**, College Park, 5 ck, 4 hen, 3 pen; W. E. Gabhart, Bohon, By., 1 ck; Mrs. J. J. Holmes, Minden, La., 5 pen; W. J. Piper, Porterdale, 2 pen; L. H. Read, Richmond, Va., 1 hen, 4 ck; D. A. Asbury, Jenkinsburg, 5 pul. **S. C. Buff Leghorns**.—I. W. Woolley, Charlotte, N. C., 2 pen; Mrs. W. T. Wood, Nashville, Tenn., 1 hen; Mrs. E. S. Landis, Fayetteville, Tenn., 5 ckl, 4-5 pul, 1 pen, 2-3 ckl, 2 pul; James M. Hughes, Richland, S. C., 1-3 ckl, 1-3 pul. **R. C. Brown Leghorns**.—Bensch Bros., Rock Ridge, Ohio, all awards. **Blue Leghorns**.—Mrs. C. A. Bullock, Bullochville, all awards. **R. C. Brown Leghorns**.—R. A. Viosca, New Orleans, La., 1 ck, 2-3 pul, 1 hen; Mark E. Johnson, Atlanta, 1 ckl, 1-4 pul. **S. C. Black Minorcas**.—Sandy Run Poultry Yards, Ellenboro, N. C., 4 ck; J. K. A. Alexander, Charlotte, N. C., 5 ck, 5 hen, 5 pul; C. H. Ledford, Atlanta, 3-4 ckl, 2-3 ck, 1-2-4 hen, 1-2 pen; Wm. Stucker, Augusta, 1 ckl, 3 hen, 2-4 pul. **R. C. White Minorcas**.—J. J. Wingerd, Crawfordville, Ind., 1 pen. **S. C. White Minorcas**.—Inman Gray, 1 ck, 1 hen. **S. C. R. I. Reds**.—Donald Donaldson, Decatur, 2 hen; Good & Paxton, Louisville, Ky., 1 pul; T. F. Murphey, Elberton, 4 pen; R. H. Plant, Macon, 1-4 hen, 2-5 pul, 3 ckl, 3 pen; Plyne's Poultry Pens, Atlanta, 2 ckl; W. H. Taylor, Montgomery, Ala., 2 ck; E. F. Anderson, Clinton, Miss., 3 ck, 1-4 ckl, 3-5 hen, 3 pul, 2 pen; W. E. Bailey, Commerce, 4 ck, 5 ckl, 4 pul; Mrs. P. T. Calloway, Washington, 1-5 pen; W. B. Hardman, Commerce, 5 ck. **Rhode Island Whites**.—Mrs. C. M. Vertrees, Cecilian, Ky., all awards. **R. C. R. I. Reds**.—Buschmann-Pierce Red Farms, Indianapolis, Ind., 1-2-3-4-5 ck, 1-2-3-4-5 hen, 1-2-3-4-5 ckl, 2-3-4-5 pul, 2-3 pen; T. L. Wright, Atlanta, 5 pen; Barrett Phinney, Athens, 1 pul, 4 pen. **Buckeye Reds**.—J. L. Reynolds, North Augusta, S. C., all awards. **Light Brahmans**.—Joseph Warden, Charlotte, N. C., 2-4 ck, 2-5 hen, 1 pul; J. Evans Smith, New Orleans, La., 1 ck; James U. Jackson, Jr., North Augusta, S. C., 3 ck, 1 hen, 1 ckl, 2 pul, 1 pen; Erwin Mueller, Atlanta, 5 hen; Crestland Poultry Yards, Atlanta, 3 ckl, 5 ck, 4-5 pul. **Partridge Cochins**.—Mrs. A. P. Bell, Atlanta, 2 ckl, 1 pul; F. O. Alexander, Smyrna, 1 ckl, 2 pul. **Black Langshans**.—J. H. Milligan, Augusta, 1 ckl, 1-3 hen, 2-4 pul, 2 pen; Rose Valley Poultry Farm, Atlanta, 1-2-3 ck, 2-4-5 hen, 2-4-5 ckl, 1-3-5 pul, 1-3 pen. **Mottled Anconas**.—W. E. Bailey, Commerce, 1 hen, 2 cock; W. T. Henry, Hapeville, 1 ck, 4 hen; George R. Donovan, Atlanta, 4 pen; Cole & George, Atlanta, 2 pen; Rhodesville Poultry Farm, Athens, 1 ckl, 3 hen, 1-2 pul; G. E. Adams, Newnan, 3-4 pen, 2 hen. **Silver Spangled Hamburgs**.—J. J. Wohlgemuth, St. Louis, Mo., 1 hen, 1 pul, 2-3 ck, 2 ckl; Delow Randolph, Gillsville, 3 ckl; James LeSeuer, Nashville, Tenn., 1 ck, 1 ckl, 2 hen, 2 pul. **Cornish Indian Game**.—J. N. Dowling, Bel Air, Md., 1 ckl; J. L. Johnson, Atlanta, 1 ck, 2 hen, 2 pen; W. M. McLarty, Douglasville, 5 pen, 4 hen; Inman Gray, Atlanta, 3 pen; A. B. Woodfin, Atlanta, 1-3 hen; A. L. Strickland, Atlanta, 1 pul, 4 hen; J. B. Peacock, Cochran, 1 pen. **White Cornish Indian Game**.—Mrs. L. V. Singley, Jackson, 1 pen; M. E. Kennedy, Temple, 2 ckl, 2 pul; J. P. Peacock, Cochran, 3 pen; Inman Gray, Atlanta, 2 ck, 1 ckl, 1-2 hen, 1-3 pul, 2 pen; Flynn Elliott, Charlotte, N. C., 1 ck, 3-4 hen. **Pit Games**.—Louis and Fred Brown, Smyrna, 1-5 ck, 4 ckl, 4 pen; Howell E. Jackson, Atlanta, 2 ckl, 3-4 pul; B. W. Springfield, Dalton, 3-4 ck, 1-4 ckl, 1-2-3-5 hen, 1-2-5 pul, 1 pen; E. R. Schneler, Atlanta, 2 ck; Inman Gray, Atlanta, 3 pen, 3 ckl. **Buff Orpingtons**.—George C. Fife, Atlanta, 2 pen; Mrs. J. M. Hart, College Park, 3 ck; W. S. Murphy & Co.,



A Doubter Convinced

You can't down facts. Last October, one of our advertisements came under the notice of Mr. A. I. Root, of Medina, Ohio, America's celebrated bee man and poultry raiser. When he read our guarantee that the Buckeye Incubator was guaranteed to hatch every hatchable egg, he wrote us saying that his impression was "that there was not an incubator in the world that would do it—it seems to me you are putting it very strong." We replied that we would stand by our claim and asked him to try a

Buckeye Incubator

He did—tried one for four months—now read his letter:

"I am happy to tell you that my Buckeye Incubator did hatch every fertile egg but one, and that one was hardly hatchable. The chicks were all remarkably large and strong and every one is alive and growing finely."

That's expert proof—not talk. Buckeye Incubators have been on the market 21 years—over 225,000 in successful operation. Made in 50 egg, 60 egg, 110 egg and 220 egg sizes—as low as \$8.00, and sold by over 1000 dealers from coast to coast. Send today for "Incubator Facts," a copy of our 5 year guarantee, and name of nearest dealer where you can examine a Buckeye.

THE BUCKEYE INCUBATOR CO.
525 Euclid Ave., Springfield, Ohio

"Anybody can hatch chickens with a Buckeye."

Prize-Winning S. C. Buff Orpingtons

Eggs half price the balance of the season. I will also offer a cock bird, winner of three first prizes, and seventeen fine one-year-old pullets, some of them prize winners, for sale at a reduced price, to make room for young stock.

G. B. MOORHEAD : Lynchburg, Tennessee

TERRELL'S S. C. R. I. REDS

Bred for utility, also fancy points. My birds have been winners since 1904 at such shows as Aberdeen and Meridian, Miss.; Nashville and Bristol, Tenn.; Augusta and Atlanta, Ga.; Charleston, S. C.; Houston and Marshall, Texas; Birmingham, Montgomery and Mobile, Ala.; also in the hands of my customers at many of the big Southern Shows, such as Dallas and Ft. Worth, Texas; Oakland, Cal., and Portland, Ore. EGGS—Prize mating, \$3.00; Special mating, \$2.00—half price after May 1st. Some good breeding stock for sale. Write for circular of winnings and matings.

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Single Comb BUFF LECHORNS

always in the lead as Blue Ribbon Winners wherever shown. At the great Appalachian Exposition, Knoxville, Tenn., won eleven ribbons on seven entries, including specials for shape and color, also silver medal and diplomas for best cockerel in Mediterranean class.

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IDEAL ALUMINUM LEG BAND

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CHEAPEST AND BEST
12 for 15c; 25-20c; 50-35c; 100-60c.
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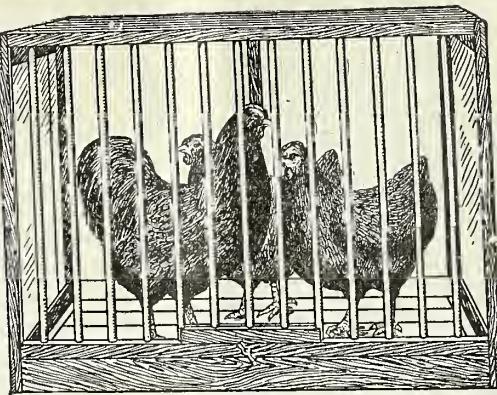
Large Stock, Quick Shipment

All Standard Sizes

The Gem Coops are well and favorably known from Maine to California. You find them everywhere. Their quality, durability and neat appearance distinguishes them at a glance. We are constantly in receipt of expressions of satisfaction from everywhere. **Wisconsin**—Best cooped show in state. **Tennessee**—Highly pleased with coops. **New York**—Certainly very good coop, will use in preference to all others. **Minnesota**—Best and most compete ever saw. **California**—Used every day in our yards, like style and make-up first rate. To show your birds to best advantage you must have good coops.

Order Samples Now. No. 1, for single birds or pairs, size 24x24x30 inches high, \$1.25. No. 2, (like cut) for trio or pen, size 24x40x30 inches high, \$2.25. Many other sizes proportionately low in price.

Gem Coops are used by representative associations and prominent exhibitors all over the United States. Gem Coops are solidly built throughout, have half-inch hard-wood rod, front painted light blue, frames mortised, joined with screws or hinges, covered with strong muslin. Coops collapse or fold up. Also have wire front coops with steel sides. Equipping associations a specialty. Write at once for handsome catalogue illustrated in colors.



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WHITE ORPINGTONS KELLERSTRASS STRAIN **MOTTLED ANCONAS** SHEPPARD'S STRAIN
Eggs in season. Prices reasonable. Write your wants.
C. C. WIGINGTON : **Morristown, Tennessee**

BARRED PLYMOUTH ROCKS

I have some birds of superior quality, including some prize winners, to sell at reasonable prices. Eggs \$2.00 and \$3.00, after January 15, 1912. Write for particulars.

LYNN MORRIS, Breeder

OAK MEAD FARM : : **Kiser, Tennessee**

WHITE ORPINGTONS

LAWRENCE JACKSON STRAIN

I am booking orders for eggs for future delivery from my Memphis and Jackson prize winners. Only a few will be offered for sale at \$10.00 per 15. Mating list and catalog will be out about February 1st. Don't fail to get one. I can furnish all the eggs you want right now from pens 2 and 3, at \$3.00 and \$5.00 per 15.

HARRY CALICOTT : : **Coldwater, Miss.**

Fogg's S. C. White Leghorns

Are bred for HEAVY LAYING and EXHIBITION QUALITY. If you want the BEST for your money in BABY CHICKS, EGGS FOR HATCHING and BREEDING BIRDS, send for booklet and mating list now. No order too large or small.

N. V. FOGG

Box A : : **Mt. Sterling, Ky.**

Single Comb White Leghorns

WYCKOFF STRAIN

Our 1912 catalog is now ready for mailing, and we will be very much pleased to send you a copy free. When we sell you Eggs or day-old chicks you are buying under a guarantee that we will make good any loss, furthermore, we will guarantee to please you. Our prices are certainly reasonable. Our Eggs for hatching are well assorted, and we guarantee a percentage of eighty, fertility. Prices: Eggs for hatching, per hundred, \$6.00; Day-old Chicks, per hundred, \$12.00. Write for the catalog.

The Southwest Virginia Poultry Farm

CHILHOWIE : : : **VIRGINIA**

Louisville, 5 pen; Mrs. Joseph S. Stewart, Athens, 2 pul; Summit Poultry Yard, Macon, 4 ck; W. White Newberry, Mountain City, Tenn., 2 ckl, 3 hen; Mrs. E. K. Lumpkin, Athens, 2 hen; William J. Lloyd, Chattahoochee, 4 hen, 1-4 pul, 1 ckl; S. L. Gardner, Atlanta, 1 hen, 3-5 ckl, 5 pul; Mrs. L. P. Eberhardt, Elberton, 3 hen; Cannon & Anderson, Spartanburg, S. C., 1-5 ck; Southland Poultry Farm, Atlanta, 2 ck, 5 hen, 3 pul, 1 pen; W. H. Taylor, Montgomery, Ala., 4 ck, 4 pen. **White Orpingtons**.—Southland Poultry Yards, Atlanta, 1 hen, 3 pul, 1 pen; Mrs. L. P. Eberhardt, Elberton, 3 ck, 3-4-5 hen, 4 pul; Wm. J. Lloyd, Chattahoochee, 5 pul, 5 pen; Mrs. Joseph S. Stewart, Athens, 1 pul; Street & Bishop, Columbus, Miss., 1 ck, 1-2 ckl; Rhodeses Poultry Yards, Athens, 2 pen; J. F. Hattimer, Fort Deposit, Ala., 3 ckl; P. J. Harlee, Chattahoochee, 2-4-5 ck, 2-5 ckl, 3 pen; A. V. Clifton, Athens, 2 pul, 4 ck. **Black Orpingtons**.—Pinson Poultry Farm, Pinson, Ala., 4 ck, 1-5 hen; Dixie Poultry Yards, Athens, 4 pen, 5 pul, 5 ckl; Paul Nuchols, Atlanta, 3 hen; Blue Ribbon Poultry Farm, Columbus, Ind., 1 ck, 2-4 hen, 1 pul, 3 pen; W. H. Hardman, Commerce, 5 ck; Mrs. L. P. Eberhardt, Elberton, 2 ck, 1 ckl, 3 pul; Southern Poultry Farm, Atlanta, 3 ck, 2 ckl, 4 pul, 1-5 pen; A. V. Clifton, Athens, 3-4 ckl, 2 pul, 3 pen.

NEW ORLEANS (LA.) SHOW.

Barred Plymouth Rocks—A. Wilcox, New Orleans, 1 hen; Mrs. G. O. Pharr, New Iberia, 2-3 ckl, 4 pen; G. & B. Poultry Farms, New Orleans, 5 ck; Sunset Poultry Yard, New Orleans, 1 ckl, 5 hen, 1-3 pul, 5 pen; J. N. Stewart, New Orleans, 5 ckl, 1 pen; Louis Pfister, New Orleans, 4-5 pul; Kidd's Poultry Yard, New Orleans, 2-4 ck, 3 hen; Norwood Live Stock Farm, Norwood, 3 ck; Mrs. C. B. Crisler, New Orleans, 1 ck, 4 ckl, 4 hen, 2-3 pens; Pearl River Poultry Farm, Pearl River, 2 hen, 2 pullet breeding pen; Loring Brown, Smyrna, Ga., 3 pen. **White Rocks**—Sunset Poultry Yards, New Orleans, 2-5 ckl, 1-4 pul; J. H. Belanger, Houma, 3 hen; Quality Farm, New Orleans, 3 ck, 5 hen; Cartwright Eustis, Waveland, Miss., 2 ck, 3 ckl, 5 pul, 1-3 pen; Highland Farm, York, Pa., 1 ckl, 2 pul; Wyllie Gauthier, Lake Charles, 4 ckl, 2 hen; W. W. Sutcliffe, Jr., New Orleans, 4 ck; Pearl River Poultry Farm, Pearl River, 2-5 pen; Nick Patterson, New Orleans, 1 ck; Six Oaks Poultry Farm, Southport, 1-4 hen; 3 pul, 4 pen. **Buff Rocks**—Cartwright Eustis, Waveland, Miss., 3 ckl, 4 hen, 5 pul, 2 pen; E. S. Eby, Monroe, 2 ck, 2 ckl, 1-2 hen, 1-2 pul, 1 pen; Mrs. C. W. Powers, New Orleans, 3 ck; W. A. Dapremont, New Orleans, 5 ckl; Mrs. J. Carey, New Orleans, 1 ckl; Loring Brown, Smyrna, Ga., 1 ck, 4 ckl, 3-5 hen, 3-4 pul, 3 pen. **Silver Wyandottes**—Mrs. D. F. Mooney, New Orleans, 1 hen; L. F. Weil, New Orleans, 1 ckl, 1 pul; J. M. White, New Orleans, 1 ck, 1 hen, 3 pul; L. H. Hayward, New Orleans, 3 ckl, 4 pul; R. I. Stakelum, New Orleans, 5 pul; G. & B. Poultry Yard, New Orleans, 2 ckl, 2 pul. **Partridge Wyandottes**—Stevens Shea, Lake Charles, all awards. **White Wyandottes**—Standard Poultry Yards, New Orleans, 5 ck, 1 hen, 2 pul; P. B. Wilkins, Opelousas, 2 ckl, 2 pen, 4 pen; Andrew C. DeHaas, Paradise, 2-4 ck, 1 ckl, 5 hen, 3 pen; James H. Gately, Covington, 3 ckl; Allen Mehle, New Orleans, 2 hen; Norwood Live Stock Farm, Norwood, 4 ck, 3 pul; W. W. Weldon, Des Allemands, 5 pen; Bruce Bros., Crescent, 1 ck, 4 ckl, 1-4 pul, 1 pen; L. Boisblanc, New Orleans, 5 ckl; Charles D. Foucher, New Orleans, 3-4 hen; Andrew Hynes, New Orleans, 5 pul. **R. C. R. I. Reds**—Miss Ermelie Lamm, New Orleans, 2 ck; J. D. Marshall, Georgetown, Miss., 1 ck, 1-2 ckl, 2-3 hen, 3-4 pul; E. M. Brinkman, Brookhaven, Miss., 3 ck, 3-4 ckl; 1 hen, 1-2 pul, 1 pen. **S. C. R. I. Reds**—Standard Poultry Yard, New Orleans, 2 ck; D. M. Graham, Gulfport, Miss., 5 ckl, 2 pen; Wright's Sanitary Poultry Yard, New Orleans, 3-4 hen, 1-3 pul, 4 pen; J. W. Smith, New Orleans, 5 pen; E. F. Anderson, Clinton, Miss., 1-3 ck, 2 hen, 1-3 ckl, 2 pul, 1 pen; E. W. Trautman, Long Beach, Miss., 4 ck, 1 hen, 4 pul; K. J. Braud, Thibodaux, 5 ck; J. D. Gould, Pecan, Miss., 2 ckl; Louis Dubos, New Orleans, 5 pul; Bellvue Poultry Farm, Jeanerette, 3 pen. **Light Brahmas**—Standard Poultry Yards, New Orleans, 5 ck; M. J. White, New Orleans, 4 pul; Wright's Sanitary Poultry Yard, New Orleans, 2 ck, 1-2-4-5 hen, 5 pul, 1-4 pen; Mrs. A. C. Lindauer, New Orleans, 1 ck; J. Evans Smith, New Orleans, 2 pen; Mrs. F. M. Villere, Centerville, Miss., 3 ck, 3-4 ckl, 3 pul; Mrs. Charles F. Lewis, Long Beach, Miss., 4 ck, 5 ck; N. D. Dohmer, New Orleans, 2 pul, 3 pen; Cherokee Poultry Farm, New Orleans, 3 hen, 1-2 ckl, 1 pul, 5 pen; W. M. Wilkinson, 5 pen; A. McAlpin, 4 ck. **Buff Cochins**—M. J. White, New Orleans, 2 pul; Mrs. C. J. Hein, New Orleans, 1-2-3 hen, 1 pul. **White Cochins**—L. H. Hayward, New Orleans, all awards. **Black Langshans**—Standard Poultry Yard, New Orleans, 2 ck, 3-5 hen; Dr. Charles Eckhart, New Orleans, 3

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DEATH TO LICE**

insures clean fowls—large profits. Absolutely safe, sure and quick in results. If not at your dealer's, send 10 cents for sample of powder for hens, or of ointment for head lice on little chicks. Valuable booklet, "Eggs and How To Get Them" for 2c stamp.

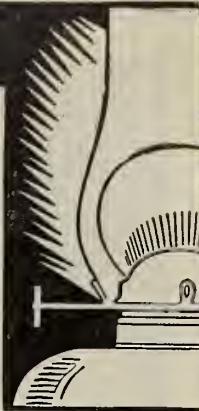
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You can transform any kerosene (coal oil) lamp or lantern into dazzling brilliancy with our wonderful **Bright Light Burner**. 50 candle power invisible and **unbreakable Steel Mantle**. Brighter than electricity, better than gas or gasoline, and **perfectly safe**. No generating—simply light like any kerosene lamp. Nothing to get out of order. Positively will not smoke or flicker.

AGENTS WANTED EVERYWHERE. Sells like wildfire. An opportunity of a life time, work all or spare time. Experience unnecessary. Make big money—be independent. Write today. Act quick—territory going fast. Complete sample, post-paid, 30c, 4 for \$1.00. Money back if not satisfactory.

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**FROM 300 WHITE LEGHORNS.**

We cleared over \$800 in 8 months. (Over \$100 per month.) Because they are the Healthy, Vigorous, Free-Range, Heavy-Laying Kind. Price of Eggs—\$1 per setting; 50 \$3 100 \$5; Day-Old Chicks, \$12 per 100. Agents for X-Ray Incubators. ELMWOOD WHITE LEGHORN EGG FARM, H. J. Thomas, Mgr., Dept. 12, Augusta, Georgia.

COCKERELS**S. C. BROWN LEGHORNS**

\$2 to \$5. Either pullet breeders or standard colored males. If not satisfactory, cash is return d.

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**RHODE ISLAND REDS,
INDIAN RUNNER DUCKS**

Wanted to sell in 60 days, 150 Rhode Island Reds, Rose and Single Comb, 50 pairs of Indian Runner Ducks from 225 egg strain that win wherever shown, and a few pairs of Golden Seabright Bantams. Bargains to early buyers.

J. C. GATE, Route 5, Milan, Tenn.

**S. C. RHODE ISLAND REDS
Golden SEBRIGHT BANTAMS
PARTRIDGE WYANDOTTES**

Eggs for sale at \$2 to \$3 per 15. Wyandotte cockerels for sale.

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Route 5, McMinnville, Tenn.**

EGGS FOR HATCHING

From Prize Winners

S. C. White and Brown Leghorns

Eggs \$1 for 15. White Crested Black Polish eggs \$2 for 15. **A. L. LOVE, R. 4, Mosheim, Tenn.**

White WYANDOTTES

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At the Great Appalachian Exposition Show, Knoxville, won first pen on both Rose and Single Combs, special for best pen from Georgia, all breeds competing, and special from Rhode Island Red Club for best pens, both combs. Also best sweepstakes pen at Tennessee State Fair, all breeds competing. A limited number of sittings will be sold from these two prize pens. If you want the best in Rhode Island Reds you had better let me book your order for a sitting.

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2-3 hen, 4 ckl, 3 pen; Mrs. John Roderick, Connally Springs, 2-3 ckl, 4 pen. S. C. R. I. Reds—J. L. Lackey, Shelby, 1 ek, 5 hen, 3 ckl, 2 pen; D. B. Johnson, Henrietta, 2 ek, 1-2-3 pul; J. W. Lasley, Burlington, 3-4 ek, 1 hen, 4 pul, 1 pen; J. A. Lentz, Hickory, 4 ek, 5 pul, 3 pen; T. H. Green, Rock Hill, S. C., 2 hen, 4 ckl; T. F. Jackson, Clover, S. C., 3 hen; W. A. Leslie, Morganton, 4 hen, 4 pen; J. L. Borders, Shelby, 1 ckl; R. H. Shuford, Hickory, 2 ckl; Thos. S. Clark, Asheville, 5 ckl, 5 pen. Polish—J. J. Poteet, Morganton, all awards. Red Caps—Badger Walker, all awards. Columbian Wyandottes—J. A. Lentz, Hickory, all awards. Golden Wyandottes—W. A. Wortman & Son, Morganton, 1 ek, 2 hen; T. H. Green, Rock Hill, S. C., 2 ek, 1-3 hen, 1-2-3 pul, 1 pen. Silver Wyandottes—D. W. Lowman, Connally Springs, 1 ek, 1-2 hen, 2-3 ckl, 1-2 pul; L. H. Phillips, Newton, 2 ek, 1 ckl. White Wyandottes—W. M. Montgomery, Greensboro, 1 ek, 2-3 hen, 4-5 ckl, 1-3 pul, 1 pen; James A. Chapman, Spartanburg, S. C., 1 hen, 1 ckl; R. F. Lane, Morganton, 2 ckl, 2-4-5 pul, 2 pen; D. K. Fry, Hickory, 3 ckl. Partridge Wyandottes—L. H. Phillips, Newton, 1 ek; T. H. Green, Rock Hill, S. C., 2 ek, 1-2 hen, 1-2 pul. Indian Runner Ducks—Mrs. C. B. Campbell, Asheville, 1-2 drake, 2-3 duck; F. O. Walton, Morganton, 3 drake, 1-4 duck; Ralph E. Lee, Asheville, 4-5 drake, 5 duck. Pekin Ducks—Miss Z. B. Henderson, Worry, 1 drake, 1-2 duck.

MOBILE (ALA.) SHOW.

White Wyandottes—Mrs. J. M. Shackelford, Mobile, 2 pen, 2 pul; Frederick Sandoz, Mobile, 3 pen, 3 ckl; E. W. Cawthon, Plateau, 1 ek, 1 ckl, 1-3 hen, 3 pul; Mrs. J. T. Adams, Mobile, 2 hen, 1 pen; C. K. Valkin, Quitman, Miss., 1 ckl, 1 pul; Dr. J. T. Adams, Mobile, 2 ckl. Barred Rocks—Mrs. C. S. Shawhan, Mobile, 2 pul; Mrs. B. C. Frazier, Mobile, 2 pen, 3 pul; Mrs. Carl A. Mulvy, Mobile, 1-3 ckl, 1 pen; A. Swift, Fair Hope, 1 pul; B. F. Patterson, Bon Secour, 1 hen, 2 ckl. Buff Rocks—Geo. H. Discher, Mobile, all awards. White Rocks—Mrs. C. S. Shawhan, Mobile, 1 hen; W. U. Covington, Quitman, Miss., 1 ckl, 1-2 pul. S. C. R. I. Reds—H. J. Talley, Mobile, 2 ckl, 3 pul; E. W. Troutman, Long Beach, Miss., 1 ckl, 1 hen, 1 pul; Brooks Poultry Farm, Ft. Deposit, 3 ckl, 2-3 hen, 2 pul; Capt. Wilson, Mobile, 1 pen. R. C. R. I. Reds—Mrs. B. B. Holloman, Mobile, all awards. Silver Wyandottes—E. W. Cawthon, Plateau, 1-2 ek, 1 ckl, 1-2 hen, 1-2 pul; R. M. White, Citronelle, 3 ckl, 3 pul, 2 pen; Mrs. Elmo Davison, Mobile, 2 ckl, 1 pen. Rhode Island Whites—H. A. Covington, Quitman, Miss., all awards. Buckeyes—Capt. Wilson, Mobile, all awards. Columbian Wyandottes—Sturtevant Bros., Kushla, all awards. S. C. Brown Leghorns—Sturtevant Bros., Kushla, all awards. S. C. Black Minorcas—W. R. Hinton, Whistler, all awards. R. C. Black Minorcas—A. Swift, Fair Hope, all awards. Black Leghorns—C. E. Sears, Grand Bay, all awards. White Leghorns—H. A. Covington, Quitman, Miss., 1 pen; G. H. Discher, Mobile, 1 ek, 1 hen, 2 pul; B. F. Patterson, Bon Secour, 1 pul. Buff Leghorns—H. H. Cunningham, Irvington, all

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Certified Egg Record

State of Tennessee, County of Jefferson:

Clayton I. Ballard, proprietor of Nola Chucky Poultry Farm, White Pine, Tenn., being first duly sworn, certifies that six (6) Indian Runner Ducks laid from January 1st, 1909, to January 1st, 1910, 1351 eggs as follows: January, 119; February, 149; March, 177; April, 163; May, 168; June, 111; July, 70; August, 109; September, 93; October, 94; November, 63; December, 35; a total of 1351, an average of over 225 eggs per duck in twelve (12) months.

(Seal) Signed: CLAYTON I. BALLARD.

Subscribed and sworn to before me this 2d day of September, 1910.

J. E. WILLIAMS, Notary Public.

WHITING'S ROUPENE

Saves Poultrymen Annually \$100,000 Because it

ACTUALLY DOES CURE ROUP

Even worst cases, even DIPHTHERITIC ROUP and CANKER. We don't care how bad the case so long as the bird's not in the last gasp of death. WHITING'S ROUPENE WILL CURE IT, and positively leave no bad after effects. ALL WE WANT IS THAT YOU TRY IT. Pick out a severe case, one in which you have tried other so-called remedies, and WE GUARANTEE TO CURE OR REFUND MONEY.

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Roupene is easy to use, even the worst case is not pained off from flock. PREVENTS CONTAGION. Don't be persuaded to try anything else when Whiting's Roupene is the only remedy that has ever claimed to cure DIPHTHERITIC ROUP. Agents wanted. 50 Cents a large bottle. Ask dealers or order direct. Printed matter free.

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awards. Buff Orpingtons—Mrs. C. S. Shawhan, Mobile, 1 hen, 3 pul; Molligan Poultry Yards, Mobile, 1-2 pul, 1 pen. White Orpingtons—J. F. Hattimer, Fort Deposit, 1-3 ckl, 1-2 hen, 2 pul; H. B. Dawson, Mobile, 1 pen; Ben Ward, Mobile, 2 ckl, 1 pul. Black Orpingtons—C. G. Person, Mobile, 1 pen. Black Polish—J. T. Leckler, Mobile, 1 pen. Hamburgs—H. A. Covington, Quitman, Miss., 2 ckl, 2 pul, 2 pen; C. K. Valkin, Quitman, Miss., 1 ckl, 1 pul, 1 pen. Pekin Ducks—A. L. Bressler, Citronelle, 1 drake, 1-2 duck; Mrs. E. L. Johnston, Mobile, 1 pen; Chas. Fiedler, Mobile, 3 duck. Indian Runner Ducks—Miss Lena Swain, 2 duck; Dr. L. A. Riley, Bay Minette, 1 drake, 1 pen; H. A. Talley, Mobile, 3 pen; H. A. Covington, Quitman, Miss., 2 pen; Mrs. E. P. Ervin, Red Rock, Fla., 2 drake, 3 duck; A. Swift, Fair Hope, 1 duck.

MORRISTOWN (TENN.) SHOW.

Barred Rocks—W. F. Bayless, Morristown, 1 ck, 3 hen, 3 ckl, 2 pen; Clarence Young, Sweetwater, 2 ck, 1-2 hen, 1-2 ckl, 1-2 pul, 1 pen. White Rocks—Miss Clara Smith, White Pine, 1 ck, 1-2 hen; J. J. Thompson, Morristown, 1 ckl, 1-2-3 pul. R. C. R. I. Reds—Mrs. Mary F. Skeene, Alpha, 1 hen; Ewing Bros., Morristown, 1 ck, 2 hen, 1 ckl, 1 pul. S. C. R. I. Reds—Herbert Haun, Mohawk, 1-2-3 ck, 1 hen, 1-2 ckl, 1 pul, 1 pen; H. P. Kelley, Rutledge, 3 pul; Frank C. Jarnagin, Tate Springs, 1 pul, 2 pen; J. M. Susong, Newport, 3 pen. Black Langshans—M. D. Andes, Bristol, 1 ck, 2-3 hen, 2 ckl, 1-2 pul, 1 pen; Rev. J. R. Brown, Sweetwater, 1 hen, 1 ckl; Miss Maggie Zerbach, Morristown, 3 ckl, 3 pul. S. C. White Leghorns—Herbert Haun, Mohawk,

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The fact that my birds have won over forty prizes including five cups and cash specials in three shows this fall, should determine the real quality of the Patterson Farm birds. Nothing but high class stock. Every bird sold shipped on approval. We still have for sale good breeding and exhibition birds and our prices are right. Would be glad to quote you our prices.

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My stock kept up its good record work by winning TEN prizes on sixteen entries, at the SAVANNAH SHOW. For Quality my White Plymouth Rocks cannot be surpassed. They have won wherever exhibited, including all the best shows in the South. Have won over 100 prizes, in the hottest competition, at ATLANTA, Appalachian Exposition, Augusta, Asheville, Greensboro and other first class shows. Eggs from these birds \$3 for 15. In S. C. White Leghorns I have the very best that can be secured, and my show record shows that I have QUALITY stock in this breed. Eggs from same pens that I hatch my winners \$2 for 15. QUALITY counts. You may beat these prices, but the QUALITY never.

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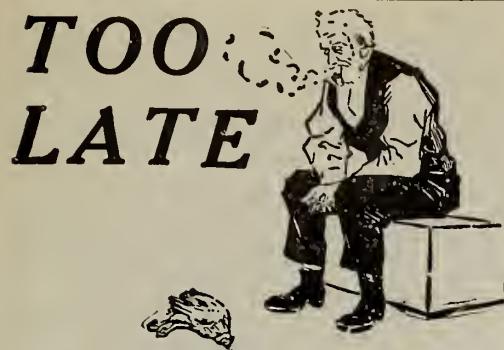
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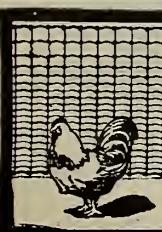
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Dept. 4, Birmingham, Ala.

1-2 ckl, 2 hen; Clifton Farm, Washington, D. C., 1 ckl, 1 pul, 2 ckl, 2 hen, 1 pen. S. C. Buff Orpingtons—Hutchison & Heitmuller, Herndon, 1 hen, 3 ckl, 3 ckl, 3 pul; A. K. Hall, Cherrydale, 1 ckl, 3 hen, 1-2 pul; James D. Foley, Cherrydale, 2 ckl, 2 ckl; John Smithdeal, Cherrydale, 1 ckl; Van A. Zahn, West Falls Church, 1 pen. Black Orpingtons—S. E. Hutton, Falls Church, Va., 1 ckl, 1-2 pul, best pullet in show; John Smithdeal, Cherrydale, 1 ckl. White Orpingtons—J. J. Haskell & Co., East End Orpington Yards, East Falls Church, 1-2 hen, 1-2 ckl, 1-2 ckl, 1-2-3 pul, 1-2 pen, special for largest display in class, special for largest display in show, special for best cock in the show, specials for best pullet and cockerel in class; B. E. Hutchison, Brookland, D. C., 3 pen; Geo. B. Smith, Houral, Md., 3 hen; R. E. Boskenstons, Washington, D. C., 3 ckl. S. C. White Leghorns—J. A. Albracht, East Falls Church, 2-3 ckl; M. K. Stroud, Herndon, 1 ckl, 1 hen, 1 ckl, 1 pul; Dr. H. E. Neatt, Falls Church, 2 pen; Elmer W. Perrigo, Falls Church, 1 pen. S. C. Brown Leghorns—Loor & Dixon, Langdon, D. C., 1 ckl, 2 hen, 1 pul, 1-2 ckl; Geo. R. Kelling, West Falls Church, 1 pen. Black Minorcas—John N. Anderson, Tacoma Park, D. C., all awards. Houdans—Paul C. Bischoff, Cherrydale, 1 pen. Blue Andalusians—Miss Ada Rhodes, East Falls Church, all awards. Indian Runner Ducks—B. E. Hutchison, 1 drake. Black Muscovy Ducks—A. H. Barbour, all awards

DOUGLAS (GA.) SHOW.

Barred Rocks—Red Jones, 1 ckl, 1 hen, 1 ckl, 1-2 pul, 1-2 pen; Mrs. Robt. Lott, 2 ckl, 2 pen, 3 pul. White Rocks—J. P. Patterson, Fitzgerald, 1-2 ckl, 1-2 hen, 1-3 ckl, 3 pul, 1 pen; W. M. Rogers, Ocilla, 3 ckl, 3 hen, 2 ckl, 1-2 pul, 2 pen. S. C. R. I. Reds—S. A. Juhan, Adel, 1-2 ckl, 1-2 ckl, 1-2-3 pul, 1-2 pen; E. S. Barton, 1 hen; Dan Garkin, 3 ckl; H. C. Whelchel, 3 ckl, 3 pen. R. C. R. I. Reds—E. S. Cotton, 1 ckl, 1 hen, 1 ckl, 1 pul, 2 pen; J. J. Holland, 1 pen. Buff Orpingtons—J. P. Patterson, Fitzgerald, 1 ckl, 1-2 hen, 1 ckl, 1-3 pul, 1 pen; W. T. Cottingham, 2 ckl; J. C. Dean, 3 hen; H. C. Whelchel, 2 ckl; Mrs. J. C. Brewer, 2 pul. White Orpingtons—J. J. Flanders, all awards. White Leghorns—W. S. Saffold, 1 pen; Thos. Griffin, 2 pen, 3 ckl; H. B. Deyo, 1 ckl; Eleventh Dist. A. & M. School, 3 pen; S. J. Herwell, 1-2 ckl, 1-2-3 pul. Black Langshans—W. S. Saffold, all awards. Red Pyle Games—W. S. Harwell, all awards. Indian Games—Reno Harris, 1 ckl, 1-2 hen, 1 ckl, 1-2 pul; F. R. Cates, 3 hen, 2 ckl, 1 pen. Pearl Guineas—D. McNabb, all awards. Muscovy Ducks—D. McNabb, all awards.

DALTON (GA.) SHOW.

S. C. R. I. Reds—Joe L. Wallace, Dalton, 1-2-3 ckl, 2-3-4 hen, 3-4 pen; J. C. Sapp, Dalton, 1-2-4 ckl, 1-2 pul, 1-2 pen; K. R. Showalter, Dalton, 3-4 pul; Donald Donaldson, Decatur, 1 hen. Barred Rocks—Mrs. W. P. Miller, Dalton, 1 ckl, 3 hen, 4 ckl, 2-3-4 pen; Mrs. R. J. McCamy, Dalton, 2-3 ckl, 2 hen, 1-2-3-4 pul, 1-2 ckl; Geo. R. Berry, Rome, 1 hen, 1 pen. R. C. R. I. Reds—Silas Walsten, Dalton, 1 ckl; Joe Brown, 2 ckl. White Leghorns—J. F. Weatherly, Dalton, 1-3 ckl, 1-2 hen, 1 ckl; E. C. Barnes, Rossville, 2 ckl, 1-2-3 pul; R. S. Tippin, Acworth, 3-4 ckl, 3-4 hen, 4 pul, 1 pen. White Orpingtons—H. A. Black, Cartersville, 2 ckl, 1-2-3 ckl, 2 hen, 1-2-3 pul, 1 pen; Geo. M. Moseley, Menlo, 1 ckl, 1-4 hen, 4 pul; Mrs. C. A. Treavett, Cartersville, 3 hen, 2 pen; C. M. Hollingsworth, Dalton, 3 pen. Black Orpingtons—Homer Carr, Dalton, 1-2-3 pul, 1 ckl; J. F. Bridges, Cartersville, 1 pen. Black Minorcas—J. J. Taylor, Varnell Station, all awards. Pit Games—Walter Springfield, Dalton, 1-2 ckl, 2 hen, 1-2-4 ckl, 1 pul, 1 pen; Jno. Vance, Dalton, 3 ckl, 1 hen. White Wyandottes—E. C. Barnes, Rossville, all awards. Golden Wyandottes—Albert Collins, Dalton, all awards. Polish—Joe Swint & Son, Nashville, Tenn., all awards. Hamburgs—James LeSueur, Nashville, Tenn., all awards.

HARTSVILLE (TENN.) SHOW.

Anconas—Dismukes & Arrington, Castalian Springs, 1 ckl, 1-2-3 hen, 2-3 ckl, 2-3 pul, 1-2 pen; Mrs. B. H. Perkins, Hartsville, 1 ckl, 1 pul, 3 pen. Blue Andalusians—Mrs. M. D. Wood, Hartsville, all awards. Light Brahmans—J. C. Walker, Hartsville, all awards. White

SOMETHING TO CROW ABOUT

"HEN-E-TA"
ABOUT 30% PURE BONE ASH
NO OTHER BONE NEEDED
NO MORE BONE CUTTERS NEEDED
NO MORE BEEF-SCRAPS NEEDED
NO MORE CHARCOAL NEEDED
NO MORE OYSTERSHELLS NEEDED

100 lbs	\$2.25
500 lbs	9.00

VALUABLE BOOKLET
OFFERS FREE

Balanced Ration Formulas Free
If you will give us your dealers name and address.

HEN-E-TA BONE CO.
NEWARK, N.J. DEPT. 8. FLEMINGTON, W.V.A.

BLACK ORPINGTONS

Show birds and breeders.* Birds shipped on approval. Best blood lines in the world. Chicks all raised on 100 acre farm. Remember—they must be right. W. O. THOMAS, Hornell, N. Y.

PARRISH

Originated the Light Brahman
White Wyandotte Cross

Columbian Wyandotte

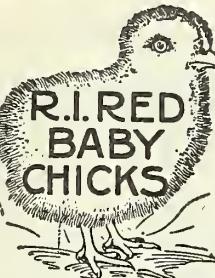
If you want the best in this breed, you had better see my catalogue before buying. I have furnished winners for shows in nearly every state in the union.

T. REID PARRISH

Licensed Poultry Judge

N. Sta., Nashville, Tenn.

Rhode Island Reds



Baby Chicks, Eggs or Stock
Rose or Single Combs



Reds that have "made good" and are making good, with Blue Ribbons for one hundred or more of our customers, this season, in all parts of America.

We won 108 prizes out of 125 at six of America's largest shows during 1910 and 1911, again demonstrating that

BUSCHMANN-PIERCE RHODE ISLAND REDS

excel all others in beautiful color, type and laying qualities.

BABY CHICKS will be furnished at 50 cents, 75 cents, \$1.00 and \$2.00 each.
Orders with a deposit must reach us 4 weeks in advance.

100 MATED PENS FOR 1912 : : EGGS FURNISHED PROMPTLY

Orders must be booked ahead for prompt delivery.
Send for mating list and sales list—BOTH FREE.

We still have some elegant stock for sale.
Guaranteed winners furnished for all shows.

To assist new beginners—also, a guide for older breeders—we have prepared a book called "Origin and History of Rhode Island Reds." It tells how to select, mate and breed them. Send ten 2-cent stamps and one will be mailed you.

The Buschmann-Pierce Red Farms (Inc.)

4960 North Meridian St.

INDIANAPOLIS, INDIANA

F FARMS AT CARMEL, IND. Address all mail to main office.

ORPINGTONS--ANCONAS

WHITES, BLACKS : : The Egg Machines

Buy the Best and Start Right

Winners of first prizes, pens and singles, at the highest class shows, with National competition. TWENTY-FIVE WHITE ORPINGTON COCKERELS FOR SALE CHEAP, considering quality. Write for mating list and prices.

RHODESVILLE POULTRY YARDS, Athens, Ga.

S. C. RHODE ISLAND REDS

I am now offering pullets and cockerels from my prize-winning Reds at bargain prices. Write me your wants.

JNO W. BROWN, R. F. D. 1, Straw Plains, Tenn.

BARRETT'S BLUE RIBBON STRAIN

MOTTLED ANCONAS

Are the kind that win and lay. Also S. C. WHITE ORPINGTONS and INDIAN RUNNER DUCKS. Eggs \$2.00, \$3.00 and \$5.00 for 15. Duck eggs \$1.50 for 15. Stock in season. Write me your wants.

L. M. BARRETT : : Morristown, Tennessee

R. C. R. I. Reds and White Runner Ducks

My birds are prize winners and they lay, weigh and pay. A fine lot of high-class cockerels for sale at \$2.00 to \$10.00. Eggs at all times. I will please you.

MRS. H. R. NUSZ,

Box 300, Cecilian, Kentucky

Emden Geese—Mrs. C. D. High, Hartsville, all awards. Brown Leghorns—J. C. Walker, 1 ck, 1-2 hen, 1 pul, 1 pen; W. G. Tinsley, Hartsville, 1-2 ckl, 3 hen, 2 pul 2 pen; Mrs. M. W. Dickerson, Gallatin, 2 ck, 3 ckl, 3 pul, 3 pen. Buff Leghorns—Hoyal Johnson, Brush Creek, all awards. Black Minorcas—Mrs. L. S. Collinsworth, Castalian Springs, 1 ck, 3 hen, 1 ckl, 1 pul, 1 pen; R. E. Cullom, Hartsville, 1 hen, 3 ckl, 3 pul, 3 pen; J. H. Freeman, LaFayette, 2 ckl, 2 pen; Cullin Collinsworth, Hartsville, 2 hen. Buff Orpingtons—Mrs. C. D. High, Hartsville, 1 ckl; Mrs. E. S. Payne, Hartsville, 1 ck, 1 hen, 2-3 ckl, 1-2-3 pul, 1-2 pen. White Orpingtons—Garvey McKee, Brush Creek, all awards. Barred Rocks—Banks Robertson, 1 ck, 2 pul, 2 pen; John Barbee, Hartsville, 1-2 ckl, 1-3 pul, 1 pen; T. F. Perkins, Hartsville, 1-3 hen; Mrs. S. E. Burkhardt, Hartsville, 2 hen, 2 ckl, 3 pen. Buff Rocks—Mrs. S. E. Burkhardt, Hartsville, all awards. Partridge Rocks—J. F. Hager, Hartsville, all awards. Rhode Island Reds—C. V. Gwin, Hartsville, all awards. M. B. Turkeys—John Barbee, Hartsville, all awards. White Wyandottes—S. R. Tinsley, Hartsville, 1-2-3 ck, 1-2-3 hen, 1-2-3 pul, 1-2 pen; R. D. Powell, Hartsville, 1 ckl. Columbian Wyandottes—Miss Nerma Crenshaw, Hartsville, all awards. Partridge Wyandottes—J. D. Hankins, Hartsville, 2 ckl; C. V. Gwin, 1-2 ck, 1 ckl, 1-2 hen, 1-2-3 pul, 1-2 pen. Silver Campines—W. N. Nollher, Hartsville, all awards. Industrious Hen Cup for best pen in show, Barred Rocks, John Barbee, Hartsville.

Single Comb

R. I. REDS

From the Best Strain in America.

THE PRIZE WINNING KIND

200 Birds for Sale

Selected Stock, \$2.50 up.

Utility Stock, \$1.50 to \$3

Eggs to hatch from ten select pens, at random. Eggs from each at \$3.00 per setting of 15 eggs. Eggs from utility stock—

Per Setting	\$ 1.50
Per 100	7.50
Per 1000	60.00

BOOK YOUR ORDERS NOW

The Red Hen Farm

JAMES J. LOSIER, Proprietor

JACKSON : : TENNESSEE

M. B. TURKEYS, I. R. DUCKS

YEARS OF CAREFUL BREEDING

Turkeys of large bone, beautiful plumage, weighing from 25 to 30 pounds. Cook's laying strain of Ducks. Also some S. C. Brown Leghorn and Barred Plymouth Rock cockerels for sale, MRS. T. L. GRUNDY & SON, Bloomfield, Ky.

Potts' WHITE PLYMOUTH ROCKS

Eggs from 1911 prize winners \$2.00 and \$3.00 for 15. Frank A. Potts, 500 Tenth Ave., Charlotte, N. C.

Barred PLYMOUTH ROCKS

THE BEST—POPE AND POPE STRAIN.

Eggs \$2.00 and \$3.00 for 15. The male bird that heads my first Pen won First at Morristown show, December, 1911. INDIAN RUNNER DUCK EGGS, \$1.50 for 15.

D. M. BUTTS, Morristown, Tennessee

Strictly Personal

J. S. BRADY'S Winnings.

Mr. J. S. Brady, the White Orpington specialist of Parker's Landing, Pa., has made the following remarkable winnings this season: At Philadelphia, Pa.: 1st hen, special for best hen in show, 1st pen, 2nd pullet, 3d cockerel, special for best hen, pullet, cockerel, cock and pen in show. At the great Nashville, Tenn., State Poultry Show of September 20th, 1911, in the second largest class in the show, 1st and 3rd hens, 1st and 2nd pullets, 2nd pen, 2nd, 3rd, 4th and 5th cockerels, 2nd and 4th cocks. This was much the largest win made in the class. His birds have also won for his customers at the Catalac, Mich., Fair; Des Moines State Fair, and Lebanon, Pa., Fair. In fact, they have not failed to carry off the Blue wherever exhibited this fall. At Williamsport, Pa., 1st and 2nd hen, 1st and 2nd cock, 1st and 2nd pullet, 1st and 2nd pen, and 1st cockerel; Senator Cochrane's challenge for the best bird in show (cock); Philadelphia Enquirer Bronze Medal for best pen in the show; Philadelphia Record Bronze Medal for the best bird in the English class (hen); Spratt's cup for winner of most points on any one variety of poultry; Edwards & Loomis' cup for most points on any one variety; Herman & Mussina cup for best cockerel in single class; special for best cock, hen, cockerel, pullet and pen; Association special for best pen; Association special for second best pen; Association special for whitest cock bird; special for whitest cockerel.

S. C. WHITE LEGHORNS.

Why do we raise the Single Comb White Leghorn? A few years ago, when the poultry business suggested itself to us, the first question to be decided upon, was, what branch of the poultry business was the most profitable. After mature consideration of the matter, we concluded that there were greater possibilities in the business of producing high grade, fresh white eggs for the fancy trade of the large cities, than in any other branch of the business. We believe that yet, and we have not been disappointed, or regretted it for a moment. These birds are truly great layers, and their eggs, uniform in color, are always quoted separately at from five to twenty-five cents per dozen more than the finest grades of other eggs. In other words, we breed the chicken that lays the highest priced market egg in the world. It is our custom to introduce new blood into our flock each year, and by a system of vigorous culling, when mating up our breeders, we maintain the ideal egg type. Eggs for hatching and baby chicks at right prices. Address, Southwest Virginia Poultry Farm, Chilhowie, Va.

RUSSELL'S WHITE WYANDOTTES.

Won at Camden, Ark., Oct. 20, 1911, first cockerel, 1st, 2nd and 3rd pullets, 1st pen and special for best cockerel; Pine Bluff's big show, Nov. 27-Dec. 2, 1911, 2nd and 3rd cock, 2nd and 4th hen, 3rd and 5th cockerel, 1st, 2nd and 5th pullet, 2nd pen; Little Rock, Dec. 4-9, 1911, 3rd cock, 4th cockerel, 3rd hen and 3rd pen; Monroe, Dec. 7-8-9, 1911, 1st cockerel, 3rd pullet, 3rd pen, a total of 37 prizes in past 60 days.

G. B. Moorehead, breeder of S. C. Buff Orpingtons at Lynchburg, Tenn., won 1, 3, 4 cockerel, 1, 2 pullet and 1st hen at the Tennessee Valley Poultry Association show. As Mr. Moorehead had but seven birds entered, this is a splendid testimonial to the quality to be found in his yards. He has an ad in this issue.

Mrs. C. M. Vertrees, Cecilian, Ky., is justly proud of her winnings at the Atlanta show,

LaFollet's WEEKLY MAGAZINE

and The Industrious Hen, both one year, and a copy of "Hen and Chicks" for \$1.25. Send orders to The Industrious Hen, Knoxville, Tenn.

LUMLEY'S ORPINGTONS

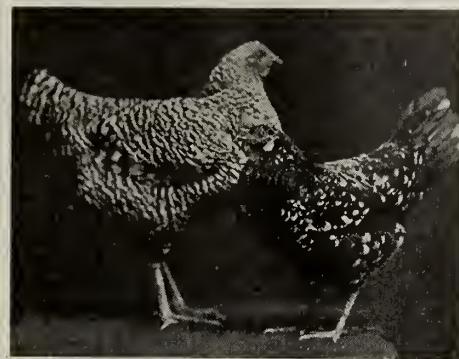
(WHITE, BLACK, BUFF)
LANGSHANS (BLACK)

PEKIN, I. R. and BUFF ORPINGTON DUCKS
Are winners—101 First Premiums at seven 1911 shows and firsts at State Fair show. Day-old Chicks, Eggs, Breeding Stock for sale. Also Berkshire Hogs, Collie Dogs. Satisfaction guaranteed. HIGHLAND SPRINGS STOCK & POULTRY FARM, W. E. Lumley, Proprietor, TULLAHOMA, TENN.

Freight Paid

125 Egg Incubator and Brooder Both For \$10

Why pay more than our price? If ordered together we send both machines for only \$10.00, and pay freight charges East of Rockies. Hot water, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under egg tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testors—ready to use when you get them. Five year guarantee—80 days trial. New birds finished in natural colors showing the machines with others offered at anywhere near our price, we will feel sure of your order. Don't buy until you do this—you'll save money—it pays to investigate before you buy. Send for FREE catalog today, or send in your order and save time. Money back if not satisfied. Write us today. Don't delay. [12] **WISCONSIN INCUBATOR CO., Box 57, Racine, Wis.**



Riverview Poultry Farm

Home of high-class exhibition and utility

S. C. MOTTLLED ANCONAS

Winners wherever shown—1st pen, 1st cockerel, 1st and 2d pull t at Morristown Fair. All prizes at Appalachian Poultry Show First on all birds entered (except one) at Appalachian Exposition, 1911. **BARRED PLYMOUTH ROCKS**—The very best there is; large, heavy laying strain; they too have made us good winnings at three poultry shows in 1911. **Dark Fawn and White INDIAN RUNNER DUCKS**, famous laying strain. A few S. C. WHITE LEGHORN cockerels and pullets for sale at \$1.00 each. Write for 1912 prices and mating list.

W. F. BAYLESS, Morristown, Tenn.



Single Comb Brown Leghorns

FOR SALE

Yearling cock and yearling hens. Quite a number of cockerels and pullets that would make fine breeders. Circular free.

M. S. COPELAND, : Old Phone, : R. F. D. 1, Powell Sta., Tenn.

WORLD'S BEST WINNING STRAINS

Buff Rocks--Buff Cochin & Red Pyle Game Bantams

Our birds made exceptional winnings at Memphis, Atlanta, Augusta, Birmingham and Hagerstown, Md. Eggs from & mpionship matings, \$10.00 per 15; exhibition matings, \$5.00; good matings, \$3.00. 30 Chicks Guaranteed. No cheap birds, but grand ones reasonable.

JNO. L. SMITH, Prop.

WONDERLAND POULTRY FARMS,

241 Peters Street, Atlanta, Ga.

S. C. BUFF ORPINGTONS

If you are in need of a cockerel to mate on those good females of yours, then try one of my \$5.00 or \$10.00 cockerels. They will improve your flock and win at your show. Also a grand lot of pullets and yearling hens at \$3.00 to \$7.00 each.

HUGH S. THOMAS,

Route 2, Georgetown, Ky.

S. C. White LEGHORNS—S. C. Rhode Island REDS

My winnings at the Tri-State Fair, Memphis, September, 1911, 1st and 3rd Cockerel and 3rd pen on White Leghorns; 2nd Cockerel and 5th pen on Reds. I have a fine lot of show birds and good breeders for sale; eggs in season. Guarantee satisfaction. Write for prices.

VANN'S POULTRY FARM,

Route 1, Jackson, Tenn.

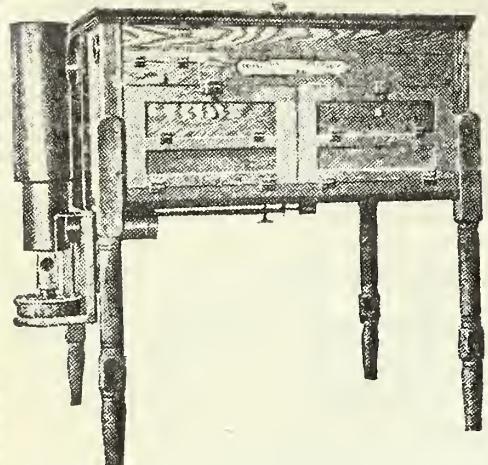
THE WORLD'S GREATEST WINNING AND LAYING STRAIN

S.C. WHITE LEGHORNS

S. C. RHODE ISLAND REDS

I am offering to sell birds of the highest quality from \$1.00 up. I have plenty of good Cockerels yet and am shipping on approval, and if not satisfied I pay charges both ways. Write me your wants and get something that will win and lay for you. They have been winning for the last twelve years at the leading Southern shows.

HERBERT HAUN : Mohawk, Tenn.



We pay freight. Just won Grand Prize at Turin, Italy.

BUY A PETALUMA

Petaluma Incubators and Brooders THE STANDARD OF THE WORLD

Can be operated by oil, gas or electricity, and will hatch more strong, livable chicks with less fuel expense and less trouble than any other machine. Ask your Hardware dealer for catalog, or send direct to us.

PETALUMA INCUBATOR CO.
142 N. Delaware St. Indianapolis, Ind.
PETALUMA, CALIF.

SECRETARY'S ENTRY BOOK

A very compact book, size $8\frac{1}{2} \times 8\frac{1}{2}$ inches, giving ample space for making entries without crowding. Printed on best quality paper and handsomely bound. Our simple labor-saving system of special indexing is a feature that adds much to the book and affords a great saving of time in making entries.

50 Leaves, \$1.00; 75 Leaves, \$1.50; 100 Leaves, \$2.00.

THE INDUSTRIOUS HEN CO., Knoxville, Tenn.



S. C. White LEGHORNS

BRED FOR EGGS

Stock and eggs for hatching. Nothing except birds perfect in shape, size and color and with heavy laying records kept in our breeding houses. Eggs from best matings, \$5.00 per 15; eggs from 2nd best matings, \$2.00 per 15; eggs from utility matings, \$1.00 per 15. Write for prices on stock. Orders filled promptly and satisfaction guaranteed.

Sunny Hill Poultry Farm, F. W. Galloway, Prop., Gallatin, Tenn.

FERGUSON'S WYANDOTTE YARDS

NEW MIDDLETON, TENNESSEE

600 Young White Wyandottes and Silver Wyandottes for sale from One of America's Best Strains.

FAMOUS FEEDING FORMULAS

16 Formulas in tabular form for egg production; 1 for winter feeding ratio 1:5; 1 for summer feeding ratio 1:3.5; 14 with ratio expanding a tenth each week from summer to winter; these same 14 ratio contracting a tenth from winter to summer; 10 common feeds, flexible to all degrees of temperature. Complete set of Formulas with instructions sent for 25 cents in silver.

E. W. GOOD : : : Richmond, Indiana

HIGHLAND ROCKS

Win the Blue. At six shows have won 61 Ribbons, 8 Special Medals and six Silver Cups at the quality shows of the East, including the great Hagerstown Show; also at New Orleans and Atlanta in the South. Cups and Medals include Grand Special North American Cup for best pullet in show—all varieties competing; Special Grand Championship Inquirer Medal best cockerel in show; also Grand Record Medal for best pullet and pen; at New Orleans the Grand Challenge \$50.00 Silver Cup best cockerel in show; also Grand Association Silver Medal for best cockerel in show; also Grand Silver Medal for best cockerel at Atlanta. Now booking orders for eggs and baby chicks from matings of superior quality and superb type, containing America's best blood in WHITE AND BARRED PLYMOUTH ROCKS. Great stamina and vigor. Their unequalled egg-producing qualities will soon convince you that they are the profitable kind. Write today. Mention this paper.

HIGHLAND FARM, 1010 WEST PRINCESS ST., YORK, PENNA.

BUFF ROCKS--That's All

You can buy \$5.00 and \$10.00 eggs anywhere, but let us tell you there is no breeder in the world offering such quality at \$2.00 and \$3.00 per sitting as we are from our six grand pens; mating list free. Our birds have won at St. Louis, Cincinnati, Hamilton, Louisville, Lexington, Kentucky State Fair, Kentucky State Poultry Show, Missouri State Fair and American Royal. Eggs for incubator at \$7.00 per 100.

MAX D. BRINNON & SON : Lakeside Poultry Farm : Windsor, Mo.
Successors to J. GAYLORD BLAIR, Carlisle, Ky.

Dec. 8-13. On Indian Runner Ducks, in a class of 109, she won 1st and 2nd duck and 4th drake. On Rhode Island Whites she won 1st cock and 1st hen. She also won 5th pullet, having entered but one cockerel and one pullet. Her Rhode Island Whites were the center of attraction at the Atlanta show.

J. H. Reynolds, proprietor of the Rendotte Poultry Farm, Box 300-I, Atlanta, received Dec. 21 a telegram telling him of the magnificent winning he made at the great Madison Square Garden poultry show. On two entries of young White Runners he won first for duck and second for drake. For all practical purposes, the awards mean that the Rendotte farm has the best White Runner duck in the world and the second best drake. The Madison Square Garden show is, of course, the greatest poultry exhibition in the world, and a first premium there is the highest honor in poultrydom.

Among the breeders of Buff Orpingtons who have made good winnings this fall and winter you will find none with more sensational winnings to their credit than Mr. C. D. Forney, of Morganton, N. C. His Buff hen has been a sensation wherever shown, having won six firsts, including the Appalachian Exposition, under five different judges, and has never been defeated. This hen was bred and reared right in Mr. Forney's own yards, as were all his other winners. Look up his ad elsewhere.

The Buschmann-Pierce Red Farms, Indianapolis, Ind., made a splendid record at Atlanta, winning on Rose Combs in one of the largest classes ever shown. They won everything entered for except first pullet, and this means 1st, 2nd, 3rd, 4th and 5th cock; 1st, 2nd, 3rd, 4th and 5th cockerel; 1st, 2nd, 3rd, 4th and 5th hen; 2nd, 3rd, 4th and 5th pullet; 1st, 2nd and 3rd pen. These gentlemen have arranged to furnish baby chicks during the coming season, and every customer may expect best values.

C. H. Yates, Greenville, S. C., breeder of S. C. White Leghorn Bantams, announces the following winnings: Augusta, Ga., Nov., 1910, 1-2 pullet; 3 birds shown; cup for best bird in class. Hagerstown, Md., Oct., 1911, 1-2 cockerel, 1-3 pullet, 2-5 hen, special for best female in class, 8 birds shown. Augusta, Ga., Nov., 1911: 1-2 cockerel, 4-5 hen, 4-5 pullet, 2 pen, cup for best bird in class, special for best male, and both color and shape specials. 9 entries. WHITE STAR, 1st cockerel Hagerstown, Oct., 1911, 1st cockerel Augusta, Nov., 1911. This bird also won as follows at Augusta: Winner of silver cup for best bird in class, special ribbon for best male in class, special ribbon for whitest bird, special ribbon for best shape.

Manager H. J. Thomas, of the Elmwood White Leghorn Egg Farm, whose advertisement appears in this issue, reports a tremendous demand for eggs and day-old chicks, for early spring delivery. The Elmwood Farm is fortunate in being able to afford its birds unlimited range, which is so necessary to vigor and stamina—which means hatchable eggs and livable chicks. Two of their last season's customers reported 100 per cent hatches. Manager Thomas says that their eggs averaged about 95 per cent fertility the entire season. We feel sure these valuable features will appeal to our readers who are in want of either day-old chicks or eggs, especially as their prices are so very reasonable, viz.—Eggs \$1.00 per setting, \$3.00 per 50, \$5.00 per 100. Day-old chicks \$12.00 per 100. Look up their "adv." in this issue or write for further information to H. J. Thomas, Manager, Dept. 12, Elmwood White Leghorn Egg Farm, Augusta, Ga.

BEAUTIFUL ART CALENDAR FREE.

With its usual enterprise the makers of Zenoleum have prepared a really beautiful home calendar for 1912. It is printed in many colors and is something that you will prize. Readers of the Industrious Hen can have one of these art calendars free if they will write to the ZENNER DISINFECTANT COMPANY, 201 Lafayette Avenue, Detroit, Michigan. The editor will appreciate the fact if you will mention this paper.

WHY WE USE THE PHILO SYSTEM.

By Elmer F. Haag, Norwood Park, Chicago, Ill.

The writer has always contended that it is not so much the bird or breed that gives results as the style of house and the system of care. The size of the coop has never entered our head, but rather the style. It remained for Mr. Philo to tell us the style of coop best adapted for all general purposes. This in a nut-shell is our reason for adopting the system. People intimately acquainted with our method of handling chicks know that we have stuck closely to the Winter Colony Coop, first, because it is more substantial than any other and therefore best suited to the climatic conditions of this territory, and second, because it serves for both summer and winter, and where space is valuable, requires no run.

What other style of coop will you find that gives you such outdoor conditions all the year round, and yet in a moment can be closed almost air-tight without the aid of so much as a wrench? The lower story with its earth floor, which might even be called a parkway, can be so shielded or protected by the aid of the covers or doors, that no matter whether it rains or shines, the fowls are never exposed. You can have the sunlight or shut it out, whichever is most desirable, and yet there is always a constant flow of fresh air passing through the coop. In a biting wind it only takes a moment to hook down the doors on whatever side protection is necessary.

As for feeding, all grains are raked into the soil every morning or evening as the case may be, thus necessitating good, vigorous work on the part of the hen before she gets her proportion. Compare this with the old style way of dumping out a quantity of grains on the ground or floor where it is all devoured in the space of a few moments, and you can appreciate the new way of feeding. What are the fowls to do after such a feast? Walk around! That is all they can do. And we doubt if they enjoy their walks half as much as our hens do their exercise scratching.

We hear so much about the open front house, the inventor of which no doubt had his good intentions, but like most coops, they serve the purpose for either summer or winter, but very seldom all the year round. It is impossible to keep the soil from freezing in an open front house of any reasonable size, and



DUSTIN II

First Cock rel at Henderson County Poultry Show, 1911. Felix Creasy, Lexington, Tenn.

Won't You Send for My Big Free Book —About the X-RAY?

DON'T YOU want to know the *inside facts* about my much improved, *guaranteed* incubator? I believe you do! My new 1912 Free Book is complete on every point. In my X-Ray, the lamp is placed *underneath*, square in the center—where it *should* be—and *not* on the side. I get an absolutely *even* temperature this way, the egg-chamber is always at the proper heat—and there's no *cold side*, no corner too hot and another *not hot enough!* But that is not all. I use a big four-to-eight-quart oil tank on my X-Ray (couldn't be done if my lamp wasn't placed *underneath*) and once this is filled *it doesn't need to be touched again until after the hatch*. Other machines require filling of lamp *every day*—that means at least twenty-one times. The

X-RAY Incubator

*"Built
Different
From
All Other
Machines"*

Only 1 Gal. Oil to Hatch—Requires Only One Filling of Lamp

—Just one gallon of oil—that's all. The *old style* machines with their little toy-like lamps *on the side* require 3 to 5 gallons. Another point!—My patented automatic trip—something only my X-Ray can have, for it's Patented—cuts down the flame at the burner when egg-chamber gets too hot—so there's no excess heat—no smoke—no smell—absolutely *no waste of oil!* My X-Ray regulator requires no attention whatever—it is purely automatic and takes care of itself. These are some of the good, hard-headed reasons why—

I Guarantee to Save You From
75c to \$1.25 on Every Hatch!

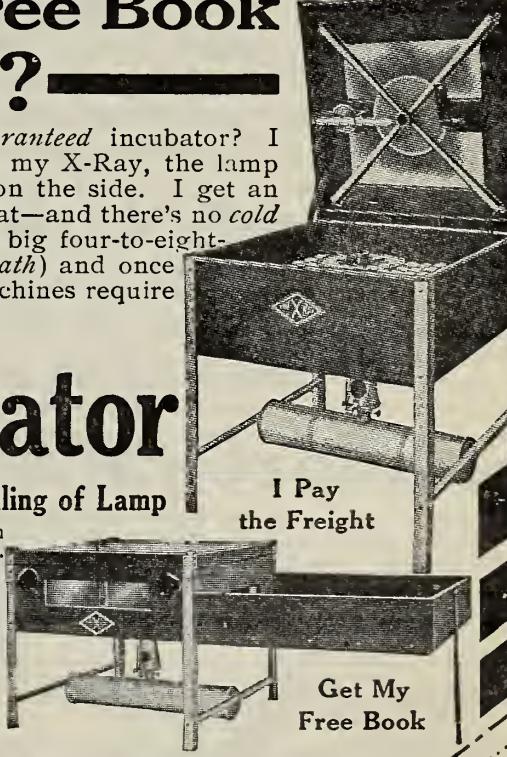
In three year's hatching I can save you more than what you paid me for my ever-successful X-Ray machine. The advantages of this machine are wonderful:—X-Ray has two double-glass panels on lid so thermometer can be plainly seen at any time—without chilling or disturbing eggs. To use my X-Ray means less handling of eggs, less oil expense, less heat generated, no waste, no fumes, no dirty, mussy lamp to be filled *every day*. Women, especially, prefer the X-Ray—it is so nice and clean, so sanitary.

Yours truly,
J. H. KATE, President,
X-RAY INCUBATOR CO.,
Wayne, Nebr.

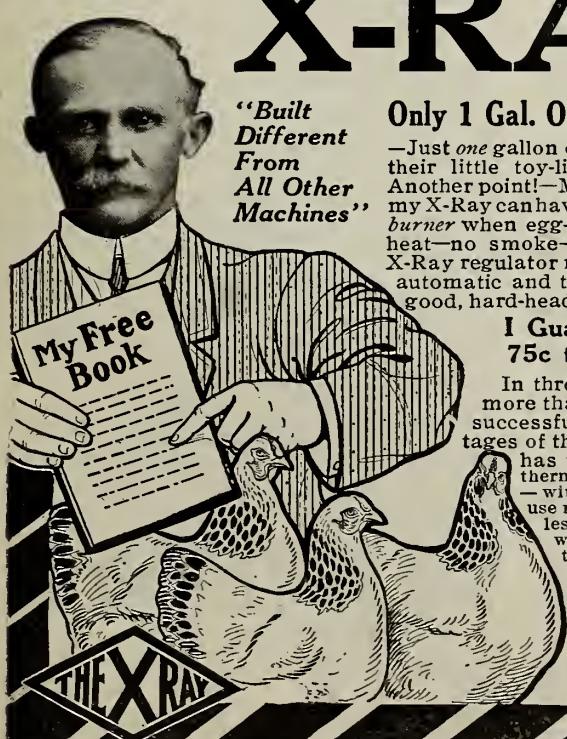
The X-Ray Is Guaranteed to Please
You—To Make Money For You!

I can save you money and I will! And I guarantee that you'll be pleased with my X-Ray and the results it gives. If you want the one incubator built on the *right principle*—get my X-Ray, and enjoy the success that thousands of others are enjoying.

Write Today For
This FREE
Book No.
25



X-Ray Incubator Co., Wayne, Nebr.
Gentlemen: Please send me your new Free Book No. 25
on X-Ray Incubators and Brooders, and oblige,
Name.....
Town.....
State.....
R.F.D.....



ORPINGTON GROVE

MRS. L. L. UPSON, Owner

Buffs—Whites—Blacks—Diamond Jubilees

FINEST IN THE SOUTH-AMERICAN AND IMPORTED STOCK-EGGS

Winners 1910-11 at Philadelphia, Knoxville, Augusta, Atlanta. Just made excellent winnings at Allentown, Pa., and Great Appalachian at Knoxville. On nine entries made at Knoxville, won Nine Prizes—Six Firsts, Three Seconds. At Georgia State Fair, 1911, had the phenomenal success of winning first pen each on Whites, Blacks, Buffs and Diamond Jubilees. Also a number of seconds and thirds. Have the unique distinction of winning THREE silver cups—Philadelphia, Allentown and Knoxville—offered by Wm. Cook & Sons, for the best Orpington, Cook strain, in the show.

Does this not prove we own and breed the best Orpingtons in the South?

ORPINGTON GROVE, 1124 PRINCE STREET

Athens, Ga.

PRIZE-WINNING, EGG-PRODUCING

S. C. WHITE LEGHORNS



Line Bred for 16 years for meat and egg production. At Appalachian Exposition, 1910, won first pullet in class of 125. My birds meet every requirement of the commercial Poultryman. STOCK AND EGGS FOR SALE.

CHICK-A-DEE FARM

J. A. DINWIDDIE, Prop. and Breeder Newmarket, Tenn.

Allison's S. C. W. LEGHORNS

I now have my pens mated up and am prepared to furnish eggs from my prize-winning and bred-to-lay stock. I am selling eggs at \$2.50 per setting from a pen in which every bird is a prize winner. Others as cheap as \$1.00 per setting. My birds have won at Louisville, Kentucky State Fair, and Chicago. Incubator eggs, \$6.00 and \$10.00 per 100. I guarantee satisfaction. Write me.

THOS. S. ALLISON, 28th and Eleven Sts., LOUISVILLE, KY.

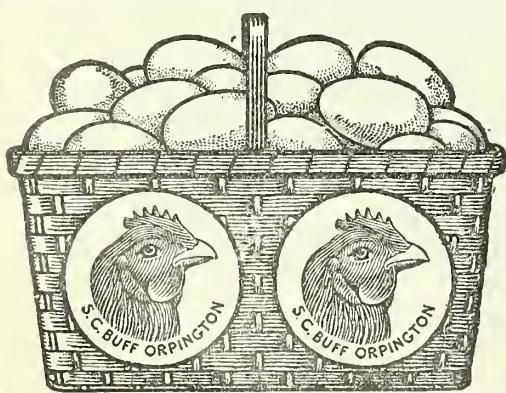
Gabhart's White Leghorns

Have been line bred eight years for fancy points and heavy egg production. Winners at Cincinnati, O., Appalachian Exposition, Louisville, Lexington, Ky. State Fair, and Nashville. Exhibitors, high-class breeders and utility stock for sale. Eggs \$1.50 to \$3.00 per 15. \$5.00 to \$18.00 per 100, and \$45.00 per 1000. Write your wants.

W. E. GABHART

:

Box M, Bohon, Ky.



CEDAR LAWN
S. C. Buff Orpingtons

Won at Chattanooga Poultry Show

COCK—3—4

HEN—1—2—3—4

COCKEREL—1—3

PULLET—1—2—4

PEN—1—3—4

128 Buff Orpingtons Competing

CEDAR LAWN POULTRY YARDS

C. A. Sienknecht, Prop. Rossville, Georgia

simply scratching in litter is not sufficient exercise in zero weather to keep the birds even comfortable, to say nothing about expecting them to lay. The same applies to the old fashioned laying house with a scratching shed. The scratching shed is a great improvement over the house without it, but even it can be improved upon. There is a certain season of the year when it is absolutely necessary to keep the fowls shut in, up here in the Northern States, and it is at this particular time that a coop is subjected to its severest test.

As already stated, a scratching shed is a good addition to an ordinary roosting coop, and a great many breeders are highly successful with it, but even scratching in deep litter does not compare with the soft earth floor, and it is only by trying it out, that one can be convinced of the advantage. It is not a difficult matter to scratch all the litter into one corner of the shed in the space of half an hour, but it is impossible to scratch all the dirt in our coop into one corner in double this time, if one is careful to fill the coop with sifted dirt at the start. There is a double advantage in doing this, as it will never freeze if put in dry before the frost comes. The fowls are also more hardy when allowed to scratch in dirt than when they live entirely on a wooden floor. To test this assertion, simply keep two pens of birds over the winter, one in a coop with a wooden floor, and you will soon see the difference. We have yet to find a single hen that ever showed a sign of leg-weakness, and our birds are never allowed outside of their coop from November 15 to March 15, but we remember particularly this last winter a flock of White Leghorns housed all season in a coop with a wooden floor scratching-shed that were crawling on their elbows long before the winter was over, and they had deep litter to scratch in all this time. It simply shows that they obtain and retain their strength in close contact with Mother Earth.

The same thing is true of little chicks. How long can you keep them on a wooden floor, even with cut clover for litter, before they show signs of leg-weakness? Transfer them to a coop with a ground floor, or cover the wooden floor with an inch or two of sand, and immediately they regain their strength. That is why the brooder coop is such a success. It puts them on their feet, and with proper care they stay on their feet.

It is not a difficult matter to rig up a house to accommodate your hens and chicks during the summer months, but it requires deep thought to provide suitable quarters that will keep your birds in laying condition during

S. C. W. LEGHORNS
EXCLUSIVELY

Eggs in season, per sitting \$2.00

R. L. PATTON, Morganton, N. C.



SEND TODAY
FOR
FREE BOOK

400 AND 600-EGG SURE HATCH INCUBATORS

The Sure Hatch Incubator Company is now building its famous machines in 400 and 600-egg sizes. This is done in response to a continued demand for larger machines. These new sizes have been thoroughly tested and rank right up with the other sizes of the Sure Hatch.

Their method of construction makes them far superior to any other make of equal capacity. Look at the picture of the 600-egg machine on this page and note the economy of floor space; how they are built in sections, one above the other; each is heated with its own lamp and can be run separately from the others; can set 200, 400 or 600 eggs at a time—as you may happen to be fixed for eggs; no waste of heating any more space than necessary to take the number of eggs you want to set. Any of the chambers can be set any time without interfering with either of the others. Can be easily taken apart and re-assembled in a few minutes.

SEVEN SIZES OF SURE HATCH INCUBATORS

Running from 50 to 600-egg, enables us to fit out a beginner, or a city lot dweller, who may want only a few chicks, to the extensive breeder who hatches thousands of them. They are all built on the plans laid down by the U. S. Government and described in Bulletin No. 236. Send for our catalogue and Bulletin. Both sent free.

Send right away for Catalogue and Bulletin. Address,

SURE HATCH INCUBATOR CO.
Box 51 FREMONT, NEBRASKA

the three winter months. As for feeding, the carefully planned Philo method of preparing and administering the different foods can hardly be improved upon. There may be a difference of opinion as to the time of feeding and the quantity, but on the whole, one can not go amiss by carrying out Mr. Philo's instructions faithfully.

CELEBRATED MR. ROOT PRAISES BUCK-EYE INCUBATOR.

Mr. A. I. Root, of Medina, Ohio, scarcely needs any introduction to our readers. His reputation as a bee culturist and poultry raiser is country-wide, and anything he says on either subject carries great weight. Some time ago Mr. Root needed another incubator to take care of his growing poultry business, and was attracted by an advertisement of the Buckeye Incubator Co., of 525 Euclid Ave., Springfield, Ohio, which stated that "the Buckeye is guaranteed to hatch every hatchable egg." Mr. Root doubted that statement—wrote the firm that he did not think any incubator in the world could do so—but the Buckeye people came right back and told Mr. Root that they would stand behind their guarantee to the letter. Naturally Mr. Root put the Buckeye to the test, and we must congratulate the manufacturers on their success, for Mr. Root has just sent them this remarkable letter:

"I am happy to tell you that my Buckeye Incubator did hatch every fertile egg but one, and that one was hardly hatchable. The chicks were all remarkably large and strong and every one is alive and growing finely."

"Making Money the Buckeye Way" is the name of a remarkable folder issued by the manufacturers of the incubator bearing that name. It is crisp, instructive and cites no less than four different instances where Buckeye Incubators hatched more chickens than the number of eggs incubated. The folder gives the whole story of Mr. Root's experience which is truly convincing, and any of our readers interested in the poultry business would do well to write the Buckeye folks for a copy of the folder, which we understand is free.

HOW A BUSY WIFE INCREASED THE FAMILY INCOME.

A few months ago Mrs. Nellie Ogle, of Axell, Texas, decided to try and earn some extra money and started raising poultry. Her husband worked for wages and so most of the care and responsibility rested on her shoulders. Her first experience was very discouraging. For several months her chickens failed to thrive. She lost many from sickness. After all the hard work of weekly cleaning the chicken houses and the daily care of the hens to have such poor success nearly discouraged her. She was just on the point of giving it up in disgust when a friend loaned her **POULTRY WRINKLES**, a book on poultry raising published and distributed free by the Pratt Food Company of Philadelphia. After reading it Mrs. Ogle became more hopeful. She felt that

White WYANDOTTES

We offer you eggs from the best matings ever put together; line-bred breeding stock of the greatest producing merit and properly mated to produce winners for you. First pen at the Tennessee State Fair in the strongest competition ever seen in the South. Get our printed matter and study it. Our entire effort is devoted to gain your trade, to give you absolute satisfaction and to make you a permanent customer. Stock and eggs for sale.

BEECH HILL POULTRY FARM

MRS. L. A. LIGON, Proprietor, : Carthage, Tennessee

Member National White Wyandotte Club.

F. K. HEWLETT, Manager, Station B, Rural Route 8, Nashville, Tenn.

ROGERS' Money-Back POULTRY PUNCH



Made on correct principles—works easy—does not bruise the foot and you can see what you are doing. Guaranteed satisfactory or your money back. Plain finish, 25c; Nickel Plated, the very best made, 35c. From your dealer or sent on receipt of price.

T. W. ROGERS, Box H, Lamont, Iowa

MAPLETON STRAIN OF GOLDEN WYANDOTTES

continue to win the "Lion's share" of ribbons everywhere shown. When you buy always get the best. For sale by G. A. HARRISON, Proprietor,

MAPLETON POULTRY YARDS, Station B, Nashville, Tenn.

HARRY MARTIN, Poindexter, Ky.

BREEDS BARRED PLYMOUTH ROCKS

That won every Ribbon offered for Cockerels at Blue Grass Fair 1910, at Appalachian Exposition 1910, and Kentucky State Poultry Show 1911, and the lion's share of all other Ribbons on Barred Plymouth Rocks, including Cups, Specials, etc.

HOUDANS "Worth While," The Winning Strain. At Nashville, Tenn., they won 1-2-3 cockerel; 1-2-3 pullet; 3-4 hen; 3-4 cock, in a class of about 125 birds. At Springfield, Ill., they won 1-2-3 cockerel; 1-2-3 pullet; 1-3 cock; 2-3 hen; 1st pen. If you want winners, write me.

DR. G. G. BILLMAN, Box H, Evansville, Indiana

RHODE ISLAND WHITES

Ten firsts at three other leading shows of Kentucky. Our customers win in five shows, including Louisville and Atlanta. Out of four entries at Atlanta, the biggest show and strongest class ever arrayed.

INDIAN RUNNER DUCKS

First, second and special at Kentucky Fair; first, second, fourth, out of four entries at Atlanta, the biggest show and strongest class ever arrayed.

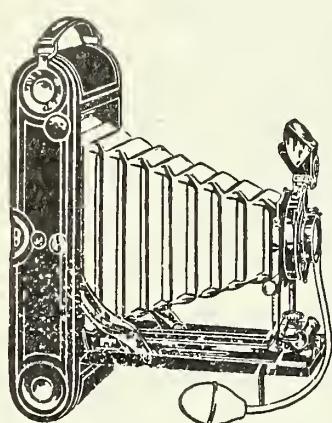
WHITE WYANDOTTES

Two specials, eight firsts, one third, one fifth, four shows, 14 entries, eleven firsts, one second, two sweepstakes, 1911. Prices reasonable. Satisfaction guaranteed.

S. C. R. I. REDS

MRS. C. M. VERTREES

Box A, Cecilian, Kentucky



Make somebody happy with a
KODAK

There are Kodaks to fit most pockets at prices to fit all purses.

And there's no time when the possession of one is more appreciated than on the *home* day—Christmas. The children with their tree and toys, and the big folks, grown young again in the children's merriment, offer endless opportunities for the Kodaker.

Photography is both simple and inexpensive now; Kodak has made it so. Kodak cameras from \$5.00 up, and the Brownie cameras (they work like Kodaks) from \$1.00 to \$12.00, offer a wide variety. Even the little dollar Brownie makes good pictures and is so simple that a kindergarten child can work it. The \$2.00 and \$3.00 Brownies are practical little cameras, while in the Kodaks themselves, one may find that efficiency which comes in a perfectly equipped factory, where honest workmanship has become a habit.

Put "Kodak" on that Christmas List. To decide on which, Kodak or Brownie, write us for catalogue, or examine them at your dealers.

EASTMAN KODAK CO.,
430 State St., ROCHESTER, N. Y.

If so many had succeeded by using Pratt's Poultry Regulator and remedies, there was no reason why she should fail. So she bought a 50 cent box of Pratt's Poultry Regulator and tested it on two valuable four months old pullets that were so sick that as she described it, "Their combs were as black as your hat." The next day to her surprise and delight she found her two patients with rose combs and good appetites. She is now using Pratt's Poultry Regulator all the time and is making a great success of her auxiliary money-making plan. She not only has plenty of fresh eggs and nice plump birds for her table, but she finds a ready market for all she can spare. She finds the work interesting and healthful and her experience has induced many of her neighbors to follow her example.

GOOD POULTRY FENCING.

Until quite recently the standard Poultry Fence, or rather Poultry netting, was made of No. 19 and 20 gauge wire—about as thick as a pin. Netting of this kind does not have the body to it to wear more than a very few seasons. Then again, this chicken netting requires posts set close together, as well as top and bottom boards between posts; otherwise it would not stand up, but would sag, look limp and unsightly. Should any of our subscribers be looking for something better—something more substantial and durable, in fact, a real poultry fence made of heavy wires, almost as heavy as regular farm fences are made from, with wires closely woven and chick-tight, and every wire double galvanized, we would advise your writing the Brown Fence & Wire Company, of Cleveland, Ohio, Dept. 37, who make such poultry fence, for their free catalog. Your particular attention is called to the saving in lumber, as well as labor, in building such a fence as the "Brown," because the wires are so large and the fence so heavy, that posts can be set double the distance apart and no top or bottom boards are required. The Brown Fence & Wire Co. are one of our oldest subscribers and we believe their fences are giving excellent service and satisfaction, otherwise we would have heard from some of our subscribers if their fence was faulty in any way.

ROUPENE DID THE WORK.

Morristown, N. J., Dec. 6, 1911.

Mr. W. M. Whiting, East Orange, N. J.—Dear Sir: On behalf of the Morris County Poultry Association, I want to thank you for the work you did at our recent show in treating roup fowls. I know a number of cases of canker roup which developed at the show, and a number of cases of severe cold, all of which were cured by your treatment and use of WHITING'S ROUPENE. The only case which left the show room, not entirely cured, you will probably remember, was a Brown Leghorn cockerel, which had canker and bad congestion. I have looked this case up since the show, as the owner is a personal friend of mine, and I find that the bird is as good as new, every trace of roup being removed. We consider the work done by you as wonderful, as the adverse conditions in the rooms were against the birds, and all in favor of the spread of the disease. If you need any further testimonial I will cheerfully cite a number of cases that I know of which have been cured of roup in the worst form by the use of WHITING'S ROUPENE. Yours truly, E. A. Carpenter, Show Superintendent.

Tar-Heel BUFF ROCKS

BLUE RIBBON WINNERS

Winning at the State Fair, Raleigh, N. C., 1911, 1st, 2d and 3d cock, 1st and 2d hen, 1st and 2d cockerel, 3d pullet. Augusta, November, 1911, 1st and 2d cock, 2d and 3d hen, 1st and 3d cockerel, 1st, 4th and 5th pullet, 1st pen, 1st display. Greensboro, December 19-21, 1911, 1st cock, 2d and 3d hen, 1st and 3d cockerel, 1st, 2d and 3d pullet, 1st pen. At Augusta, my exhibit was one of the wonders of the show, winning in every class, every bird having the same color and type. My undefeated first prize cock and cockerel are of the finest types of Buff Rocks. Good breeding stock and show birds fit to win in any competition for sale. Eggs—\$3.00 per 15.

J. G. ASHE, Owner and Breeder

Raleigh, N. C.

ROUP AND "OCULUM."

Uniontown, Pa., Sept. 1, 1911. Hancock Inoculatum Co., Salem, Va.—Gentlemen: Enclosed find \$1.00 for which please send me one bottle "Oculum." Last fall I moved my chickens (150) and for three nights had them in a wire pen without any shelter and they caught severe colds which later developed into Roup, which from the very start I tried to break up by using almost every known remedy except "Oculum." I killed quite a number and quite a number died, and about the first of March I had about 70 hens and pullets, and the pullets were fully matured, but was getting only an egg every two or three days. I got a bottle of your "Oculum" and used it as directed (during a very cold spell) and the second day after using it we could notice a redness in the combs that shows us that the medicine was doing the work; then we began to get eggs; in less than two weeks we got as high as 28 in a day, and they kept it up and now they are beginning to moult; we still get about 2 dozen a day. This letter is unsolicited on your part, but I write it that some stranded poultry "crank" like myself might be benefitted by the greatest remedy known to Poultrydom—"Oculum." Yours truly, W. B. Livingston.

NEW TRAPPING LAWS.

The wide variation in trapping laws in various states makes it quite necessary for the trapper and farmer to be in close touch with game legislation at all times. The old saying that "ignorance of the law excuses no man" has caused regret in the heart of many only when it has been to late. As a rule, the professional trapper makes it his business to become acquainted with all new laws regarding hunting and trapping, but there are many farmers and amateur trappers who are not as familiar with game laws as they should be. These people will be glad to learn of a book which is now being distributed free by F. C. Taylor & Co., of St. Louis, Mo., the world's greatest fur house. This book gives game laws of every state in the Union and Canada. It also tells how and when to trap, what baits to use for various animals, and reveals some trapping secrets which have always been carefully guarded by trappers in the past. We suggest that those of our readers who are interested in hunting or trapping send for a copy of this book.

White WYANDOTTES

THE WINNING KIND

My birds won at Indianapolis and Toledo. Only the best in White Wyandottes win at these shows. Exhibition and breeding stock.

INDIAN RUNNERS

On account of a change in plans am forced to sell **QUICKLY** 45 of my pure English Indian Runners, 35 females and 10 males. Genuine Runners, laying a large, white egg. Will take \$50 for the lot, or \$1.25 each for as many as you want. They will go quickly at these prices. If you want any order at once.

GEO. BARKDOLL
WEST UNITY, OHIO Box 218

KNOLLENBERG'S HIGH-PROTEIN POULTRY FOODS

Have proved their worth over others. Made of pure sound grain. No grit, screenings or weed seeds. No waste. Fully guaranteed. Freight prepaid. Catalog and samples free. Write now.

HP KNOLLENBERG MILLING CO., Dept G QUINCY, ILL

HP POULTRY FOODS HP

BARRED ROCKS

Eggs per 15:—\$1.25, \$2.50, \$5.00. E. B. Thompson's Ringlets Direct. Won second pen at the great Southern International Poultry Show. Mrs. L. P. EBERHARDT, Elberton, Ga.

S. C. WHITE LEGHORNS

EXCLUSIVELY

"That's My Business."

The finest laying strain on the South Atlantic Coast. I guarantee pure white plumage, good head points and low, full tails, and full compliance with Standard requirements. I have been perfecting this heavy laying strain for eight years.

HAYDEN CLEMENT

Box 246

Salisbury, N. C.

BREEDERS' CARDS

CLASSIFIED ADVERTISING RATE, 2 cents per word, flat, subject to a discount of 10 per cent on yearly contracts amounting to \$6.00 or more. Ads in this department must be paid for in advance.

ANCONAS.

SHEPPARD'S FAMOUS ANCONAS.—The world's best. Single or Rose Comb. First at world's greatest shows. Greatest egg record—256 average. Catalogue free. Cecil Sheppard, Box F, Berea, Ohio. 93

LAGRONE'S S. C. Mottled Anconas won 1st cockerel, 1st, 2nd and 4th pullets, and 2nd pen, North Mississippi Poultry Show, Miss-Ala. Fair, 1911. Layers, Show Birds. Eggs \$3.00 for 15. W. F. Lagrone, West Point, Miss. 97

ANCONAS. Rose and Single Comb. Marvelous egg producers. Exhibition birds. I won every first and second at Chicago, 1909. Supplied winners in nearly every big show in America last year. I can do it for you. I prepare and condition birds for show on orders booked in advance. Get my circulars. Dr. Guy Blencoe, Vice President International Ancona Club, Alma Center, Wis. 95

ANDALUSIANS.

BLUE ANDALUSIANS. America's best. Unexcelled winter layers. Prize winners at Jamestown, Hagerstown, New York, Allentown, Baltimore, Richmond and Washington. Stock and eggs. Cockerels \$2.50 and up. V. H. Council, Specialist, Warrenton, Va. 96

BLUE ANDALUSIANS. White Faced Black Spanish, Silver Spangled Hamburgs and Indian Runner Ducks. Finest strains. First prize winners at the Tennessee State Fair and Appalachian Exposition, 1910. Eggs at \$1.50 per 15. H. R. Birchett, Lebanon, Tenn. 91

BABY CHICKS.

BABY CHICKS that will live and grow off well. Our chicks are from stock that are handled right and mated right. Safe delivery guaranteed. Sturtevant Bros., Box 11, Kushla, Ala. 95

BANTAMS.

HIGH-CLASS ROSE COMB WHITE and Rose Comb Black Bantams. Red Pyle and Black Breasted Red Game Bantams, also Golden Sebrights. Cary's Bantam Yards, Trimble, Ohio. 93

BUTTERCUPS.

BUTTERCUPS—Write for circular. Buttercup Poultry Farm, Bedford City, Va. 94

CAMPINES.

CAMPINES—(Improved Champion Strain)—Everlasting layers of large, white eggs and the most noted utility and exhibition strain in the world. Beautiful illustrated art catalog an Campineology containing Standard free. J. Fred N. Kennedy, Box O, Birch Cliff, Ontario, Canada. 94

COCHINS.

BUFF COCHINS. Winners and carefully bred for thirteen years. Old and young stock for sale. Eggs in season. Testimonials free. S. Berger, Pleasant Hill, Ohio. 92

DUCKS and GEESE.

HENS THAT LAY 250 eggs per year Runner Ducks. You want that kind. Write me. Frank Seagle, R. 1, Morristown, Tenn. 95

INDIAN RUNNERS, (English strain.) Eggs at all times, two dollars per dozen. Also young stock in English and standard exhibition strain for sale. Fred M. Preston, Pine Castle, Fla. 96

PEKIN DUCKS and **TOULOUSE GEESE**. The best in the South. Winners at Madison Square, Philadelphia, Washington, etc. Circular on request. Also White Wyandottes. W. W. Thomas, Catlett, Va. 95

"INDIAN RUNNER DUCK CULTURE." Instructive booklet 10c. A few trios at bargains. Finest laying strains. Price list No. 69 free. Woman's College, Meridian, Miss. 96

MAMMOTH PEKINS—EGGS from special prize yard \$2.00 per 12. Other yards containing prize winners, 12, \$1.00. True fawn and white Indian Runner Eggs, 12, \$1.00. Q. F. & J. E. Montgomery, Nashport, Ohio. 95

GAMES.

PIT GAMES—Six strains of winners. I send out the kind that win. Send for circulars and testimonials. W. C. Byard, Walnut Hills, Cincinnati, Ohio. 92

HAMBURGS.

HAMBURGS. Book orders now for Silver Spangled Hamburg eggs from my winners at the leading shows, including first cock at Madison Square. James LeSueur, Route 10, Nashville, Tenn. 92

LEGHORNS.

SINGLE COMB WHITE LEGHORN Cockerels, good breeders, \$8.00 each. Eggs, \$2.00 for 15, from prize pen. Sunnyside Poultry Farm, Carey, Ohio. 92

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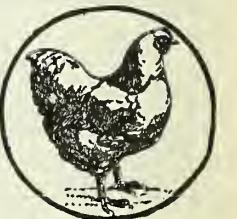
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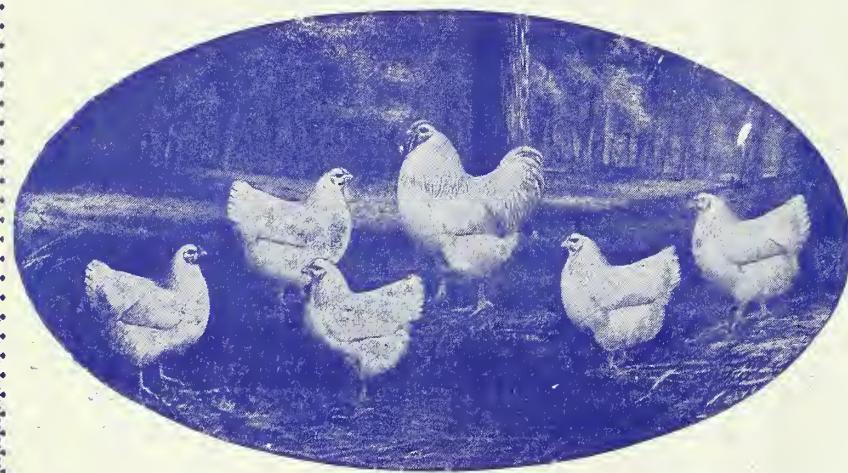
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